

Tax-Exempt vs. Taxable Income Tables

The following charts allow you to compare the returns on tax-exempt investments to those that are taxable. After determining your marginal federal income tax bracket on the top chart, locate the taxable or tax-exempt return of interest in the lower tables.

| Filing Status | Taxable Income ¹ up to: | | | | | | |
|-------------------------|------------------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 10.00% | 12.00% | 22.00% | 24.00% | 32.00% | 35.00% | 37.00% |
| Single | \$9,950 | \$40,525 | \$86,375 | \$164,925 | \$209,425 | \$523,600 | \$523,600+ |
| Married filing joint | \$19,900 | \$81,050 | \$172,750 | \$329,850 | \$418,850 | \$628,300 | \$628,300+ |
| Married filing separate | \$9,950 | \$40,525 | \$86,375 | \$164,925 | \$209,425 | \$314,150 | \$314,150+ |
| Head of household | \$14,200 | \$54,200 | \$86,350 | \$164,900 | \$209,400 | \$523,600 | \$523,600+ |
| Estates and trusts | \$2,650 | N/A | N/A | \$9,550 | N/A | \$13,050 | \$13,050+ |

| Tax-Exempt Return | Taxable Return Required to Equal a Tax-Exempt Return at Various Top Federal ² Tax Brackets | | | | | | |
|-------------------|---|--------|--------|--------|--------|--------|--------|
| | 10.00% | 12.00% | 22.00% | 24.00% | 32.00% | 35.00% | 37.00% |
| 3% | 3.33% | 3.41% | 3.85% | 3.95% | 4.41% | 4.62% | 5.13% |
| 4% | 4.44% | 4.55% | 5.13% | 5.26% | 5.88% | 6.15% | 6.84% |
| 5% | 5.56% | 5.68% | 6.41% | 6.58% | 7.35% | 7.69% | 8.55% |
| 6% | 6.67% | 6.82% | 7.69% | 7.89% | 8.82% | 9.23% | 10.26% |
| 7% | 7.78% | 7.95% | 8.97% | 9.21% | 10.29% | 10.77% | 11.97% |
| 8% | 8.89% | 9.09% | 10.26% | 10.53% | 11.76% | 12.31% | 13.68% |
| 9% | 10.00% | 10.23% | 11.54% | 11.84% | 13.24% | 13.85% | 15.38% |
| 10% | 11.11% | 11.36% | 12.82% | 13.16% | 14.71% | 15.38% | 17.09% |
| 11% | 12.22% | 12.50% | 14.10% | 14.47% | 16.18% | 16.92% | 18.80% |
| 12% | 13.33% | 13.64% | 15.38% | 15.79% | 17.65% | 18.46% | 20.51% |
| 13% | 14.44% | 14.77% | 16.67% | 17.11% | 19.12% | 20.00% | 22.22% |

Values shown in this presentation are hypothetical and not a promise of future performance.

¹ 2021 federal income tax rates are shown.

² The examples shown here consider only federal income taxes. The results would be different if state income taxes were also included.

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| Taxable Return | Tax-Exempt Return Required to Equal a Taxable Return at Various Top Tax Brackets | | | | | | |
|----------------|---|--------|--------|--------|--------|--------|--------|
| | 10.00% | 12.00% | 22.00% | 24.00% | 32.00% | 35.00% | 37.00% |
| 3% | 2.70% | 2.64% | 2.34% | 2.28% | 2.04% | 1.95% | 1.76% |
| 4% | 3.60% | 3.52% | 3.12% | 3.04% | 2.72% | 2.60% | 2.34% |
| 5% | 4.50% | 4.40% | 3.90% | 3.80% | 3.40% | 3.25% | 2.93% |
| 6% | 5.40% | 5.28% | 4.68% | 4.56% | 4.08% | 3.90% | 3.51% |
| 7% | 6.30% | 6.16% | 5.46% | 5.32% | 4.76% | 4.55% | 4.10% |
| 8% | 7.20% | 7.04% | 6.24% | 6.08% | 5.44% | 5.20% | 4.68% |
| 9% | 8.10% | 7.92% | 7.02% | 6.84% | 6.12% | 5.85% | 5.27% |
| 10% | 9.00% | 8.80% | 7.80% | 7.60% | 6.80% | 6.50% | 5.85% |
| 11% | 9.90% | 9.68% | 8.58% | 8.36% | 7.48% | 7.15% | 6.44% |
| 12% | 10.80% | 10.56% | 9.36% | 9.12% | 8.16% | 7.80% | 7.02% |
| 13% | 11.70% | 11.44% | 10.14% | 9.88% | 8.84% | 8.45% | 7.61% |
| 14% | 12.60% | 12.32% | 10.92% | 10.64% | 9.52% | 9.10% | 8.19% |

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