

Converting Colors

YIQ(44.3450, 12.1500, 0.0700)

Have a look what the booklet for
YIQ(44.3450, 12.1500, 0.0700)
contains.

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Color

**YIQ(44.3450, 12.1500,
0.0700)**

Conversions

Conversions Part 1

Format	Color
Hex	38291F
RGB	56, 41, 31
RGB Percent	22%, 16%, 12%
CMY	0.7804, 0.8392, 0.8784
CMYK	0.00, 0.27, 0.45, 0.78
HSL	24°, 29%, 17%
HSV	24°, 45%, 22%
XYZ	2.6715, 2.5254, 1.6440
YIQ	44.3450, 12.1500, 0.0700

Conversions

Conversions Part 2

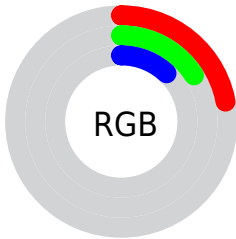
Format	Color
R_{YB}	56, 48, 31
Decimal	3680543
CIE Lab	18.03, 5.33, 9.25
CIE LCh	18, 10.672, 60.043
Yxy	2.5254, 0.3905, 0.3692
Android (android.graphics.Color)	4281870623 (0xFF38291F)
YUV	44.3450, -6.5791, 10.2214
Hunter-Lab	15.8915, 2.1975, 4.9906

Details

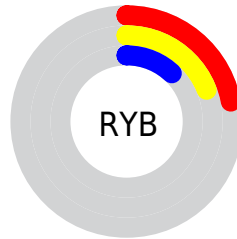
The YIQ color **44.3450, 12.1500, 0.0700** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **42.6550, -12.1500, -0.0700**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.1280, 14.2590, 0.3950**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **41.9000, 14.9010, -0.2270**, and if you desaturate by 10%, it is **46.7900, 9.3990, 0.3670**.

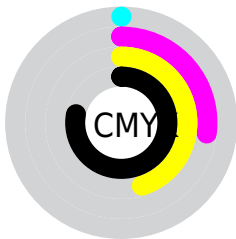
Distribution



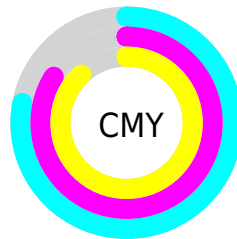
- Red (22%)
- Green (16%)
- Blue (12%)



- Red (22%)
- Yellow (19%)
- Blue (12%)



- Cyan (0%)
- Magenta (27%)
- Yellow (45%)
- Black (78%)



- Cyan (78%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 44.3450, 12.1500, 0.0700 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 44.3450, 12.1500, 0.0700 by changing the saturation by 10% instead.

■ 44.3450, 12.1500,
0.0700

■ 44.3450, 12.1500,
0.0700

■ 255.0000, -0.0000,
-0.0000

■ 23.5900, 12.8380,
-1.3860

■ 90.1280, 14.2590,
0.3950

■ 0.0000, 0.0000,
0.0000

■ 114.4270, 14.8550,
0.6070

■ 140.3130, 15.1760,
0.2960

■ 166.4980, 16.0930,
0.1970

■ 193.7970, 16.6890,
0.4090

■ 221.7970, 16.6890,

0.4090

■ 246.5080, 10.1330,
-1.9230

■ 44.3450, 12.1500,
0.0700

■ 44.3450, 12.1500,
0.0700

■ 41.9000, 14.9010,
-0.2270

■ 46.7900, 9.3990,
0.3670

■ 38.9820, 17.6060,
0.3100

■ 49.7080, 6.6940,
-0.1700

■ 36.5370, 20.3570,
0.0130

■ 52.1530, 3.9430,
0.1270

■ 34.2060, 22.7870,
0.0270

■ 54.4840, 1.5130,
0.1130

■ 31.1740, 25.8130,
0.2530

■ 57.5160, -1.5130,
-0.1130

■ 29.6580, 27.3260,
0.3660

■ 59.9610, -4.2640,
0.1840

■ 62.8790, -6.9690,
-0.3530

■ 65.3240, -9.7200,
-0.0560

■ 67.6550, -12.1500,
-0.0700

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7520, 12.5620, 3.6180



44.3450, 12.1500, 0.0700



44.0840, 8.3910, -3.3930

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.3450, 12.1500, 0.0700



40.6670, -12.4240, -6.1200



44.6070, -3.0270, 5.3010

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.3450, 12.1500, 0.0700



42.6550, -12.1500, -0.0700

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.3070, -11.0500, 2.0220



44.3450, 12.1500, 0.0700



40.2690, -17.0550, -4.7910

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.3450, 12.1500, 0.0700



42.1470, -5.0880, -6.9120



41.5620, -16.3220, -1.5540



45.5540, 4.4920, 6.7000

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3450, 12.1500, 0.0700



42.9910, 4.2190, -4.8770



41.5620, -16.3220, -1.5540



44.4110, -5.4110, 4.4530

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.3450, 12.1500, 0.0700



69.3380, 4.8600, 0.0280



40.1850, 10.0850, 9.9650



35.5550, 2.7510, -0.2970



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.3450, 12.1500, 0.0700



55.3520, 19.4400, 0.1120



51.3890, 8.8500, -6.2060



26.4840, 1.5130, 0.1130



49.2270, 44.6570, 0.1530



117.1370, 106.3240, 0.4040

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.6550, -12.1500, -0.0700



52.6480, -19.4400, -0.1120



35.6110, -8.8500, 6.2060



26.5160, -1.5130, -0.1130



42.7730, -44.6570, -0.1530



102.4500, -106.5990, -0.9270

Previews

White Background



This preview shows how the YIQ color 44.3450, 12.1500, 0.0700 looks on a white background.

Color Contrast Check

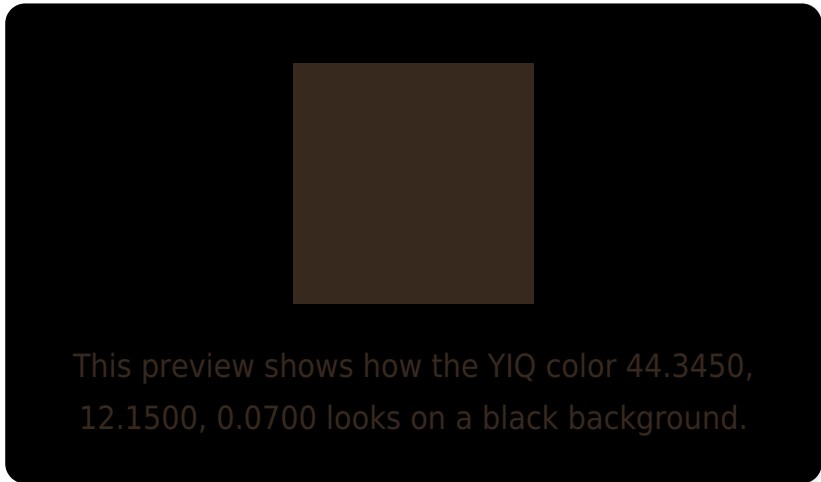
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

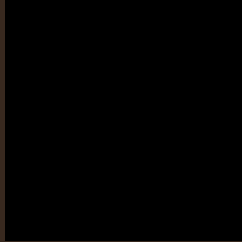
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 44.3450, 12.1500, 0.0700

Background



This preview shows how black text looks on a background with the YIQ color 44.3450, 12.1500, 0.0700.



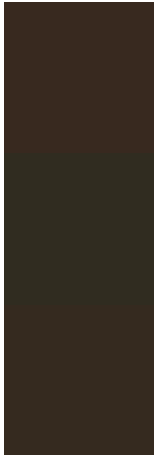
This preview shows how white text looks on a background with the YIQ color 44.3450, 12.1500,

0.0700.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.3450, 12.1500, 0.0700

Protanopia

43.8280, 6.2360, -2.8840

Deuteranopia

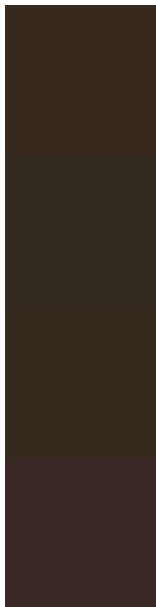
44.0350, 10.0870, -1.0890



Tritanopia

44.7240, 9.7650, 4.7490

Trichromacy



Original Color

44.3450, 12.1500, 0.0700

Protanomaly

44.1380, 8.2990, -1.7250

Deuteranomaly

44.3340, 10.6830, -0.8770

Tritanomaly

44.8550, 10.7740, 2.9820

Monochromacy



Original Color

44.3450, 12.1500, 0.0700

Achromatopsia

44.0000, -0.0000, -0.0000

Achromatomaly

44.0390, 4.2640, -0.1840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 44.3450, 12.1500, 0.0700 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 41, 31)` looks like.

```
.text, #text, p{  
    color:rgb(56, 41, 31)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 41, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 41, 31) }
```

Border

The CSS property to change the border of an element to YIQ 44.3450, 12.1500, 0.0700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 41, 31) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(56, 41, 31) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(56, 41, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 41, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 41, 31);  
box-shadow:4px 4px 4px 4px rgb(56, 41, 31)  
}
```

Background

The CSS property to change the background color of an element to YIQ 44.3450, 12.1500, 0.0700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 41, 31) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 41,  
31) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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