

Converting Colors

YIQ(24.8650, 40.3450, 12.2250)

Have a look what the booklet for
YIQ(24.8650, 40.3450, 12.2250)
contains.

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Color

**YIQ(24.8650, 40.3450,
12.2250)**

Conversions

Conversions Part 1

Format	Color
Hex	470601
RGB	71, 6, 1
RGB Percent	28%, 2%, 0%
CMY	0.7214, 0.9766, 0.9959
CMYK	0.00, 0.92, 0.99, 0.72
HSL	4°, 97%, 14%
HSV	4°, 99%, 28%
XYZ	2.6719, 1.4730, 0.1734
YIQ	24.8650, 40.3450, 12.2250

Conversions

Conversions Part 2

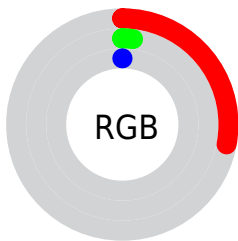
Format	Color
R_{YB}	71, 6, 1
Decimal	4654593
CIE Lab	12.44, 29.46, 18.96
CIE LCh	12, 35.038, 32.761
Yxy	1.4730, 0.6187, 0.3411
Android (android.graphics.Color)	4282844673 (0xFF470601)
YUV	24.8650, -11.7654, 40.4604
Hunter-Lab	12.1367, 18.0577, 7.6486

Details

The YIQ color **24.8650, 40.3450, 12.2250** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **47.1350, -40.3450, -12.2250**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **74.8330, 43.3710, 12.4510**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.1640, 40.9410, 12.4370**, and if you desaturate by 10%, it is **29.7720, 36.1730, 10.7410**.

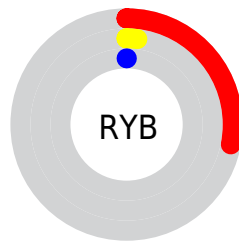
Distribution



Red (28%)

Green (2%)

Blue (0%)



Red (28%)

Yellow (2%)

Blue (0%)

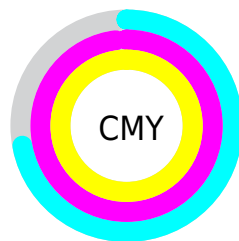


Cyan (0%)

Magenta (92%)

Yellow (99%)

Black (72%)



Cyan (72%)

Magenta (98%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.8650, 40.3450, 12.2250 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 24.8650, 40.3450, 12.2250 by changing the saturation by 10% instead.

■ 24.8650, 40.3450,
12.2250

■ 24.8650, 40.3450,
12.2250

■ 242.8890, 13.4340,
-1.1740

■ 13.7540, 27.4160,
9.7520

■ 74.8330, 43.3710,
12.4510

■ 0.0000, 0.0000,
0.0000

■ 99.8010, 46.3970,
12.6770


■ 125.8830, 49.1020,
13.2140


■ 152.6660, 51.2110,
13.5390


■ 179.5630, 52.9990,
14.1750


■ 203.7470, 46.4890,


11.0090


 223.2610, 30.1220,
4.7620


 24.8650, 40.3450,
12.2250


 24.8650, 40.3450,
12.2250


 24.1640, 40.9410,
12.4370

 29.7720, 36.1730,
10.7410

 34.0920, 32.2760,
9.7800

 38.9990, 28.1040,
8.2960

 43.3190, 24.2070,
7.3350

 48.3400, 19.7140,
6.1620

■ 53.2470, 15.5420,
4.6780

■ 57.5670, 11.6450,
3.7170

■ 62.4740, 7.4730,
2.2330

■ 66.7940, 3.5760,
1.2720

Harmonies

Analogous

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



25.3610, 33.5570, 25.1170



24.8650, 40.3450, 12.2250



30.2560, 28.5180, 0.7900

Triad

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



24.8650, 40.3450, 12.2250



24.5230, -12.5590, -20.1990



29.7790, -35.6260, 6.8860

Complementary

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



24.8650, 40.3450, 12.2250



47.1350, -40.3450, -12.2250

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.



32.1440, -35.3960, 2.7160



24.8650, 40.3450, 12.2250



29.1170, -22.7390, -11.9150

Square

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



24.8650, 40.3450, 12.2250



26.7910, -1.5100, -16.6940



31.8530, -30.4430, -4.4510



32.6790, -11.5570, 16.7230

Rectangle

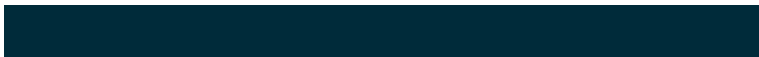
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.8650, 40.3450, 12.2250



30.7770, 19.4410, -5.4150



31.8530, -30.4430, -4.4510



30.9530, -36.1760, 5.8400

Sweetspot

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



24.8650, 40.3450, 12.2250



73.5460, 16.1380, 4.8900



29.3400, 20.8550, 35.0550



35.2570, 9.5820, 2.5580



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



24.8650, 40.3450, 12.2250



31.0300, 53.1820, 16.3660



45.4100, 30.7200, -6.0800



33.1960, 2.3840, 0.8480



33.7100, 57.0790, 17.3270



77.2650, 130.8920, 39.7560

Inverse Universe

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



47.1350, -40.3450, -12.2250



60.3830, -52.9070, -15.8430



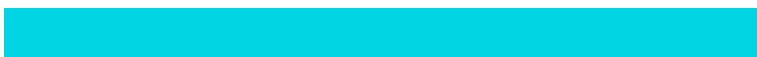
26.5900, -30.7200, 6.0800



34.2170, -2.1090, -0.3250



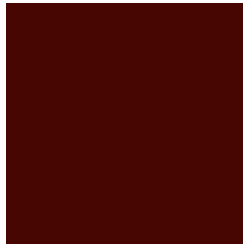
65.2900, -57.0790, -17.3270



149.7350, -130.8920, -39.7560

Previews

White Background



This preview shows how the YIQ color 24.8650, 40.3450, 12.2250 looks on a white background.

Color Contrast Check

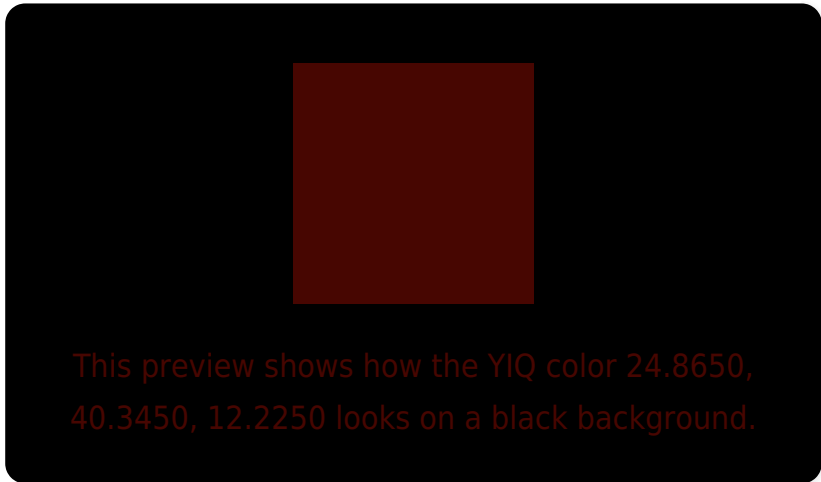
Large Text (above 18pt) WCAG AA ✓ Pass

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

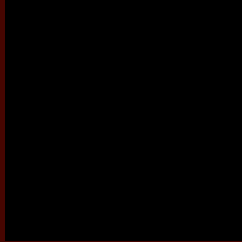
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.8650, 40.3450, 12.2250

Background



This preview shows how black text looks on a background with the YIQ color 24.8650, 40.3450, 12.2250.

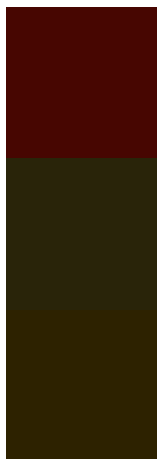


This preview shows how white text looks on a background with the YIQ color 24.8650, 40.3450,

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

24.8650, 40.3450, 12.2250

Protanopia

34.4170, 11.6470, -7.3370

Deuteranopia

33.4130, 17.4700, -8.2420



Tritanopia

24.7510, 40.6660, 11.9140

Trichromacy



Original Color

24.8650, 40.3450, 12.2250

Protanomaly

30.9070, 22.1910, -0.1850

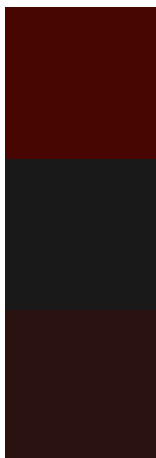
Deuteranomaly

30.2340, 25.5840, -1.1040

Tritanomaly

24.7510, 40.6660, 11.9140

Monochromacy



Original Color

24.8650, 40.3450, 12.2250

Achromatopsia

25.0000, -0.0000, -0.0000

Achromatomaly

24.9480, 14.9460, 4.4660

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.8650, 40.3450, 12.2250 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(71, 6, 1)` looks like.

```
.text, #text, p{  
    color:rgb(71, 6, 1)  
}
```

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(71, 6, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 6, 1) }
```

Border

The CSS property to change the border of an element to YIQ 24.8650, 40.3450, 12.2250 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(71, 6, 1) }
```


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

```
.border{ border-color:rgb(71, 6, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 6, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 6, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 6, 1); box-shadow:4px  
4px 4px 4px rgb(71, 6, 1) }
```

Background

The CSS property to change the background color of an element to YIQ 24.8650, 40.3450, 12.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 6, 1) }
```

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

```
.background{ background-color: rgb(71, 6,  
1) }
```

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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