

Converting Colors

YIQ(50.5210, 36.7630, 44.1150)

Have a look what the booklet for
YIQ(50.5210, 36.7630, 44.1150)
contains.

YIQ(50.5210, 36.7630, 44.1150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(50.5210, 36.7630,
44.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	710C55
RGB	113, 12, 85
RGB Percent	44%, 5%, 33%
CMY	0.5566, 0.9531, 0.6666
CMYK	0.00, 0.89, 0.25, 0.56
HSL	317°, 81%, 25%
HSV	317°, 89%, 44%
XYZ	8.5910, 4.4337, 9.0021
YIQ	50.5210, 36.7630, 44.1150

Conversions

Conversions Part 2

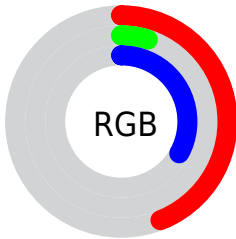
Format	Color
R_{YB}	113, 12, 85
Decimal	7408725
CIE _{Lab}	25.06, 47.42, -16.34
CIE _{LCh}	25, 50.160, 340.987
Yxy	4.4337, 0.3900, 0.2013
Android (android.graphics.Color)	4285598805 (0xFF710C55)
YUV	50.5210, 16.9981, 54.7941
Hunter-Lab	21.0564, 35.9793, -10.6084

Details

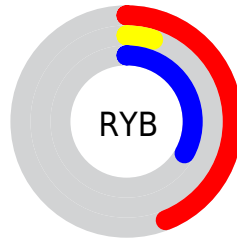
The YIQ color **50.5210, 36.7630, 44.1150** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **74.4790, -36.7630, -44.1150**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **107.2990, 37.2680, 40.4680**, and **22.7990, 23.5160, 25.3720** is the 20% darker color. If you saturate the color by 10%, you get **43.7220, 40.7510, 48.9350**, and if you desaturate by 10%, it is **57.3200, 32.7750, 39.2950**.

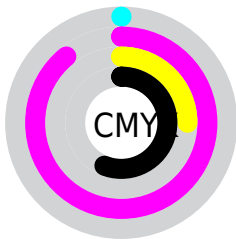
Distribution



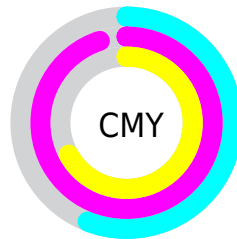
- Red (44%)
- Green (5%)
- Blue (33%)



- Red (44%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (25%)
- Black (56%)



- Cyan (56%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.5210, 36.7630, 44.1150 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 50.5210, 36.7630, 44.1150 by changing the saturation by 10% instead.

■ 50.5210, 36.7630,
44.1150

■ 50.5210, 36.7630,
44.1150

■ 255.0000, -0.0000,
-0.0000

■ 32.7820, 31.3540,
37.5140

■ 107.2990, 37.2680,
40.4680

■ 22.7990, 23.5160,
25.3720

■ 134.1960, 39.0560,
41.1040

■ 12.8160, 15.6780,
13.2300

■ 161.7940, 40.2480,
41.5280

■ 0.0000, 0.0000,
0.0000


■ 189.5060, 41.1190,
42.2630


■ 209.1340, 24.4310,
36.3270


■ 226.8240, 13.2000,


25.1040


 243.8470, 5.2250,
9.9370


 50.5210, 36.7630,
44.1150


 50.5210, 36.7630,
44.1150


 43.7220, 40.7510,
48.9350


 57.3200, 32.7750,
39.2950

 43.1350, 41.0260,
49.4580

 64.7060, 28.5120,
33.9520

 71.5050, 24.5240,
29.1320

 78.4180, 20.2150,
24.6230

 85.8040, 15.9520,
19.2800

■ 92.6030, 11.9640,
14.4600

■ 99.4020, 7.9760,
9.6400

■ 106.2010, 3.9880,
4.8200

■ 113.5870, -0.2750,
-0.5230

Harmonies

Analogous

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



60.1290, -3.5360, 31.0560



50.5210, 36.7630, 44.1150



42.4340, 58.8170, 40.9050

Triad

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



50.5210, 36.7630, 44.1150



54.9320, 19.9020, -19.2820



56.4510, -55.6140, -5.3260

Complementary

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



50.5210, 36.7630, 44.1150



74.4790, -36.7630, -44.1150

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.



52.3470, -44.0580, -16.5220



50.5210, 36.7630, 44.1150



44.6780, -12.0980, -34.0660

Square

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



50.5210, 36.7630, 44.1150



55.9830, 42.2280, -5.3880



47.2000, -30.9430, -28.4390



56.1380, -61.6220, 4.4420

Rectangle

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



50.5210, 36.7630, 44.1150



47.8940, 59.7370, 24.2250



47.2000, -30.9430, -28.4390



55.1970, -52.0830, -8.7470

Sweetspot

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



50.5210, 36.7630, 44.1150



123.2660, 14.5310, 17.4990



31.5870, -16.3290, 37.1350



59.1140, 8.8470, 10.3750



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



50.5210, 36.7630, 44.1150



56.4500, 53.8610, 64.6530



44.9350, 52.4920, 28.8760



52.3640, 1.9710, 2.8270



45.7980, 43.5930, 52.4970



94.2590, 89.7530, 108.0330

Inverse Universe

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



50.5210, 36.7630, 44.1150



56.4500, 53.8610, 64.6530



80.0650, -52.4920, -28.8760



52.3640, 1.9710, 2.8270



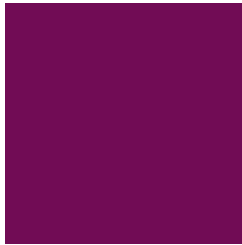
45.7980, 43.5930, 52.4970



94.2590, 89.7530, 108.0330

Previews

White Background



This preview shows how the YIQ color 50.5210, 36.7630, 44.1150 looks on a white background.

Color Contrast Check

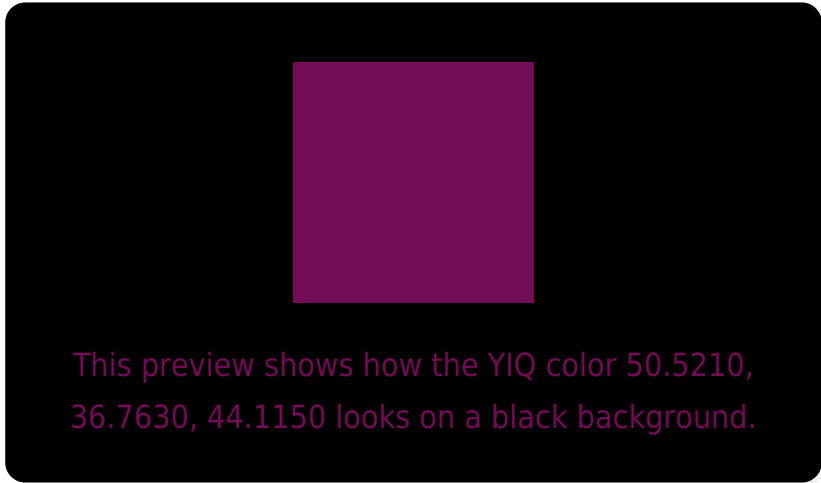
Large Text (above 18pt) WCAG AA ✓ Pass

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

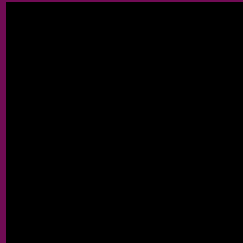
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.5210, 36.7630, 44.1150

Background



This preview shows how black text looks on a background with the YIQ color 50.5210, 36.7630, 44.1150.



This preview shows how white text looks on a background with the YIQ color 50.5210, 36.7630,

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

50.5210, 36.7630, 44.1150

Protanopia

57.1580, -38.0110, 11.5650

Deuteranopia

62.2690, -7.8870, 5.2730



Tritanopia

57.3540, 43.4620, 16.3100

Trichromacy



Original Color

50.5210, 36.7630, 44.1150

Protanomaly

55.0800, -11.0080, 23.2960

Deuteranomaly

57.9110, 8.3410, 19.5490

Tritanomaly

54.8950, 40.8010, 25.9930

Monochromacy



Original Color

50.5210, 36.7630, 44.1150

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.0270, 13.7060, 15.9300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.5210, 36.7630, 44.1150 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(113, 12, 85)` looks like.

```
.text, #text, p{  
    color:rgb(113, 12, 85)  
}
```

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(113, 12, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 12, 85) }
```

Border

The CSS property to change the border of an element to YIQ 50.5210, 36.7630, 44.1150 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(113, 12, 85) }
```


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

```
.border{ border-color:rgb(113, 12, 85) }
```

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

Here you see how a box with a 4 pixel rgb(113, 12, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 12, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 12, 85);  
box-shadow:4px 4px 4px 4px rgb(113, 12,  
85) }
```

Background

The CSS property to change the background color of an element to YIQ 50.5210, 36.7630, 44.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 12, 85) }
```

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

```
.background{ background-color: rgb(113, 12,  
85) }
```

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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