

Converting Colors

YIQ(50.7700, -48.6020, 10.7740)

Have a look what the booklet for
YIQ(50.7700, -48.6020, 10.7740)
contains.

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Color

**YIQ(50.7700, -48.6020,
10.7740)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 0B397B |
| RGB | 11, 57, 123 |
| RGB Percent | 4%, 22%, 48% |
| CMY | 0.9569, 0.7764, 0.5179 |
| CMYK | 0.91, 0.54, 0.00, 0.52 |
| HSL | 215°, 84%, 26% |
| HSV | 215°, 91%, 48% |
| XYZ | 5.1731, 4.4277, 19.3005 |
| YIQ | 50.7700, -48.6020, 10.7740 |

Conversions

Conversions Part 2

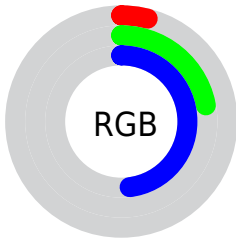
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 11, 44, 123 |
| Decimal | 735611 |
| CIE _{Lab} | 25.04, 12.60, -41.59 |
| CIE _{LCh} | 25, 43.459, 286.851 |
| Yxy | 4.4277, 0.1790, 0.1532 |
| Android (android.graphics.Color) | 4278925691 (0xFF0B397B) |
| YUV | 50.7700, 35.6094, -34.8783 |
| Hunter-Lab | 21.0421, 7.0598, -39.6530 |

Details

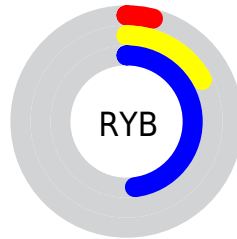
The YIQ color **50.7700, -48.6020, 10.7740** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **83.2300, 48.6020, -10.7740**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **104.1460, -37.7370, 17.6150**, and **17.7140, -27.8330, 14.3350** is the 20% darker color. If you saturate the color by 10%, you get **43.9590, -53.5080, 11.5800**, and if you desaturate by 10%, it is **58.4670, -43.3750, 9.6570**.

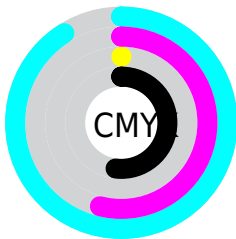
Distribution



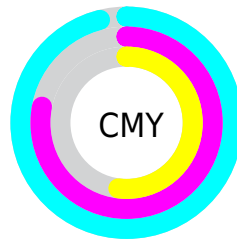
- Red (4%)
- Green (22%)
- Blue (48%)



- Red (4%)
- Yellow (17%)
- Blue (48%)



- Cyan (91%)
- Magenta (54%)
- Yellow (0%)
- Black (52%)



- Cyan (96%)
- Magenta (78%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.7700, -48.6020, 10.7740 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 50.7700, -48.6020, 10.7740 by changing the saturation by 10% instead.

■ 50.7700, -48.6020,
10.7740

■ 50.7700, -48.6020,
10.7740

■ 255.0000, -0.0000,
-0.0000

■ 32.3040, -41.3580,
11.6500

■ 104.1460,
-37.7370, 17.6150

■ 17.7140, -27.8330,
14.3350

■ 130.3850,
-36.9120, 19.1840

■ 8.0480, -17.1500,
13.4580

■ 156.9120,
-36.9580, 20.0180

■ 4.3660, -9.5380,
7.6620

■ 183.7550,
-35.0780, 18.9860

■ 0.0000, 0.0000,
0.0000

■ 208.2750,
-25.2190, 11.0130

■ 233.9690,

-15.9100, 1.9940

253.2060, -3.5760,
-1.2720

50.7700, -48.6020,
10.7740

50.7700, -48.6020,
10.7740

43.9590, -53.5080,
11.5800

58.4670, -43.3750,
9.6570

66.4630, -37.5520,
8.7520

74.7470, -32.6000,
7.1120

82.4440, -27.3730,
5.9950

90.1410, -22.1460,
4.8780

■ 98.1370, -16.3230,
3.9730

■ 106.4210,
-11.3710, 2.3330

■ 114.1180, -6.1440,
1.2160

■ 122.1140, -0.3210,
0.3110

Harmonies

Analogous

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



53.4650, -58.2290, 3.5230



50.7700, -48.6020, 10.7740



60.8540, 4.4880, 28.8080

Triad

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



50.7700, -48.6020, 10.7740



54.5530, 49.7910, 6.2310



47.7530, -33.8780, -24.8060

Complementary

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



50.7700, -48.6020, 10.7740



83.2300, 48.6020, -10.7740

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.



44.5790, -16.1330, -32.5250



50.7700, -48.6020, 10.7740



56.8250, 36.6810, -9.4870

Square

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



50.7700, -48.6020, 10.7740



51.9130, 49.5580, 26.9820



54.0240, 16.6470, -20.8650



52.3300, -45.3880, -14.4440

Rectangle

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



50.7700, -48.6020, 10.7740



57.3360, 26.6780, 34.1500



54.0240, 16.6470, -20.8650



45.9120, -30.0720, -27.7040

Sweetspot

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



50.7700, -48.6020, 10.7740



132.5820, -19.0740, 4.2700



84.1540, -51.6650, -38.3610



64.5350, -11.6920, 2.6440



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



50.7700, -48.6020, 10.7740



57.0960, -69.8310, 15.5530



26.4590, -30.5880, 36.7400



57.4450, -2.7510, 0.2970



44.1870, -54.1500, 12.2020



89.7760, -109.4920, 23.9800

Inverse Universe

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



49.7320, 51.9860, 38.0500



55.6630, 74.7700, 54.6580



107.5410, 30.5880, -36.7400



57.1360, 2.6130, 2.2050



43.1890, 58.1290, 42.3610



87.2040, 116.8080, 85.7680

Previews

White Background



This preview shows how the YIQ color 50.7700, -48.6020, 10.7740 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



This preview shows how the YIQ color 50.7700, -48.6020, 10.7740 looks on a 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 50.7700, -48.6020, 10.7740

Background



This preview shows how black text looks on a background with the YIQ color 50.7700, -48.6020, 10.7740.



This preview shows how white text looks on a background with the YIQ color 50.7700, -48.6020,

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

50.7700, -48.6020, 10.7740

Protanopia

47.3670, -54.8370, 8.1310

Deuteranopia

47.7770, -50.4800, 0.7520



Tritanopia

46.7220, -40.6200, -12.7480

Trichromacy



Original Color

50.7700, -48.6020, 10.7740

Protanomaly

48.5630, -52.4530, 8.9790

Deuteranomaly

49.1840, -50.0680, 4.3000

Tritanomaly

48.3230, -43.5100, -4.4220

Monochromacy



Original Color

50.7700, -48.6020, 10.7740

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.6530, -17.8360, 3.8600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.7700, -48.6020, 10.7740 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(11, 57, 123)` looks like.

```
.text, #text, p{  
    color:rgb(11, 57, 123)  
}
```

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(11, 57, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 57, 123) }
```

Border

The CSS property to change the border of an element to YIQ 50.7700, -48.6020, 10.7740 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(11, 57, 123) }
```


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

```
.border{ border-color:rgb(11, 57, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 57, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 57, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 57, 123);  
box-shadow:4px 4px 4px 4px rgb(11, 57,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 50.7700, -48.6020, 10.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 57, 123) }
```

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

```
.background{ background-color: rgb(11, 57,  
123) }
```

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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