

# Converting Colors

YIQ(76.4780, 91.0480, 45.9920)

Have a look what the booklet for  
YIQ(76.4780, 91.0480, 45.9920)  
contains.

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# Color

**YIQ(76.4780, 91.0480,  
45.9920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C01636
RGB	192, 22, 54
RGB Percent	75%, 9%, 21%
CMY	0.2466, 0.9139, 0.7879
CMYK	0.00, 0.89, 0.72, 0.25
HSL	349°, 80%, 42%
HSV	349°, 89%, 75%
XYZ	22.7191, 12.0588, 4.6308
YIQ	76.4780, 91.0480, 45.9920

# Conversions

## Conversions Part 2

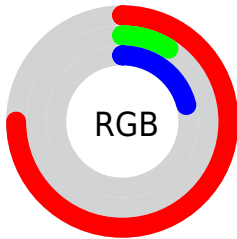
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 22, 54
Decimal	12588598
CIE <sub>Lab</sub>	41.31, 63.28, 29.00
CIE <sub>LCh</sub>	41, 69.608, 24.619
Yxy	12.0588, 0.5765, 0.3060
Android (android.graphics.Color)	4290778678 (0xFFC01636)
YUV	76.4780, -11.0817, 101.3128
Hunter-Lab	34.7258, 56.0117, 16.4016

# Details

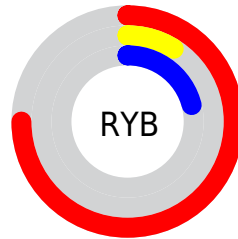
The YIQ color **76.4780, 91.0480, 45.9920** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **137.5220, -91.0480, -45.9920**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.5890, 94.8090, 38.4010**, and **40.2380, 73.6280, 31.2920** is the 20% darker color. If you saturate the color by 10%, you get **63.6150, 101.0880, 51.2640**, and if you desaturate by 10%, it is **89.4550, 80.6870, 41.0310**.

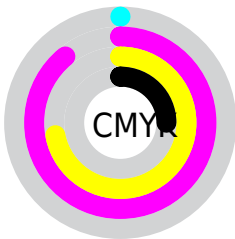
# Distribution



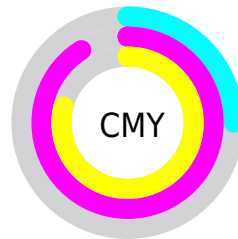
- Red (75%)
- Green (9%)
- Blue (21%)



- Red (75%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (89%)
- Yellow (72%)
- Black (25%)




- Cyan (25%)
- Magenta (91%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.4780, 91.0480, 45.9920 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 76.4780, 91.0480, 45.9920 by changing the saturation by 10% instead.





 76.4780, 91.0480,  
45.9920


 76.4780, 91.0480,  
45.9920


255.0000, -0.0000,  
-0.0000


 51.9010, 85.3630,  
44.3950


 140.5890, 94.8090,  
38.4010


 40.2380, 73.6280,  
31.2920


 160.4620, 78.8090,  
31.0090


 29.6010, 59.0040,  
20.9880

 179.7480, 63.0840,  
24.1400

 21.5710, 41.3530,  
15.9850

 199.8490, 46.4420,  
17.3700

 11.7750, 22.9230,  
8.5790

 220.0640, 29.4790,  
10.9110

 0.0000, 0.0000,  
0.0000

 240.8660, 12.2410,

3.9290

■ 76.4780, 91.0480,  
45.9920

■ 76.4780, 91.0480,  
45.9920

■ 63.6150, 101.0880,  
51.2640

■ 89.4550, 80.6870,  
41.0310

■ 61.5120, 102.8760,  
51.9000

■ 102.3180, 70.6470,  
35.7590

■ 115.8820, 60.0110,  
30.2750

■ 128.7450, 49.9710,  
25.0030

■ 141.7220, 39.6100,  
20.0420

■ 154.6990, 29.2490,  
15.0810

■ 167.5620, 19.2090,  
9.8090

■ 181.1260, 8.5730,  
4.3250

■ 193.9890, -1.4670,  
-0.9470

# Harmonies

## Analogous

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



69.3500, 77.9300, 74.4900



76.4780, 91.0480, 45.9920



87.8000, 82.5280, 2.1440

# Triad

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



76.4780, 91.0480, 45.9920



70.9590, -38.5950, -54.9710



87.6780, -98.0730, 9.7590

# Complementary

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



76.4780, 91.0480, 45.9920



137.5220, -91.0480, -45.9920

# 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.



91.0400, -93.7610, -2.3130



76.4780, 91.0480, 45.9920



80.1300, -60.2850, -36.3250

# Square

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



76.4780, 91.0480, 45.9920



85.2230, 13.8080, -41.0080



87.4430, -79.4990, -18.4990



91.8520, -53.9240, 30.1400



# Rectangle

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



76.4780, 91.0480, 45.9920



92.0650, 62.1280, -13.6160



87.4430, -79.4990, -18.4990



90.1570, -98.1640, 5.9000

# Sweetspot

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



76.4780, 91.0480, 45.9920



203.8140, 36.3550, 18.4590



82.0440, 26.4860, 81.7020



97.8720, 21.2720, 10.9680



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



76.4780, 91.0480, 45.9920



80.1080, 133.9130, 67.6170



102.7670, 87.2950, 9.3670



90.2180, 5.3180, 2.7420



51.5590, 86.3260, 43.4620



10.5510, 17.7420, 8.8620



# Inverse Universe

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



76.4780, 91.0480, 45.9920



80.1080, 133.9130, 67.6170



111.2330, -87.2950, -9.3670



90.2180, 5.3180, 2.7420



51.5590, 86.3260, 43.4620



10.5510, 17.7420, 8.8620



# Previews

## White Background



This preview shows how the YIQ color 76.4780, 91.0480, 45.9920 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 × Fail



# Black Background



This preview shows how the YIQ color 76.4780, 91.0480, 45.9920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 76.4780, 91.0480, 45.9920

## Background



This preview shows how black text looks on a background with the YIQ color 76.4780, 91.0480, 45.9920.



This preview shows how white text looks on a background with the YIQ color 76.4780, 91.0480,



# 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

76.4780, 91.0480, 45.9920

### Protanopia

98.5140, 9.9960, -4.9480

### Deuteranopia

96.6720, 32.7380, -9.6140



## Tritanopia

77.2100, 97.1940, 33.7220

# Trichromacy



## Original Color

76.4780, 91.0480, 45.9920

## Protanomaly

90.6200, 39.6570, 13.6810

## Deuteranomaly

89.3410, 53.5040, 10.5280

## Tritanomaly

76.5890, 94.8090, 38.4010

# Monochromacy



## Original Color

76.4780, 91.0480, 45.9920

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

75.9060, 33.1000, 16.8760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.4780, 91.0480, 45.9920 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(192, 22, 54)` looks like.

```
.text, #text, p{  
    color:rgb(192, 22, 54)  
}
```

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(192, 22, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 22, 54) }
```

## Border

The CSS property to change the border of an element to YIQ 76.4780, 91.0480, 45.9920 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(192, 22, 54) }
```



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

```
.border{ border-color:rgb(192, 22, 54) }
```

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

Here you see how a box with a 4 pixel rgb(192, 22, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 22, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 22, 54);  
box-shadow:4px 4px 4px 4px rgb(192, 22,  
54) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.4780, 91.0480, 45.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 22, 54) }
```

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

```
.background{ background-color: rgb(192, 22,  
54) }
```

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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