

# Converting Colors

YIQ(75.1220, -10.8260, 31.0140)

Have a look what the booklet for  
YIQ(75.1220, -10.8260, 31.0140)  
contains.

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# Color

**YIQ(75.1220, -10.8260,  
31.0140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	543A8C
RGB	84, 58, 140
RGB Percent	33%, 23%, 55%
CMY	0.6705, 0.7726, 0.4511
CMYK	0.40, 0.59, 0.00, 0.45
HSL	259°, 41%, 39%
HSV	259°, 59%, 55%
XYZ	9.9029, 6.8038, 25.5918
YIQ	75.1220, -10.8260, 31.0140

# Conversions

## Conversions Part 2

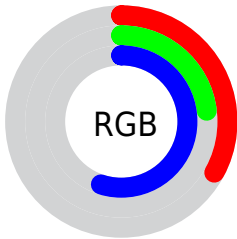
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 58, 140
Decimal	5520012
CIE <sub>Lab</sub>	31.36, 31.15, -41.78
CIE <sub>LCh</sub>	31, 52.116, 306.712
Yxy	6.8038, 0.2341, 0.1609
Android (android.graphics.Color)	4283710092 (0xFF543A8C)
YUV	75.1220, 31.9849, 7.7860
Hunter-Lab	26.0841, 22.1204, -39.9119

# Details

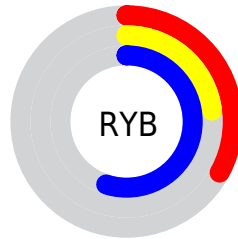
The YIQ color **75.1220, -10.8260, 31.0140** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **122.8780, 10.8260, -31.0140**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.3010, -9.7720, 33.9400**, and **27.0460, -13.6680, 27.4520** is the 20% darker color. If you saturate the color by 10%, you get **63.9140, -12.9360, 36.2160**, and if you desaturate by 10%, it is **86.3300, -8.7160, 25.8120**.

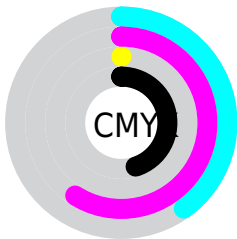
# Distribution



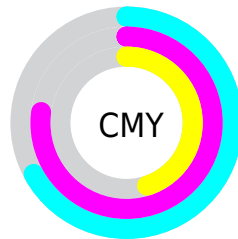
- Red (33%)
- Green (23%)
- Blue (55%)



- Red (33%)
- Yellow (23%)
- Blue (55%)



- Cyan (40%)
- Magenta (59%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (77%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.1220, -10.8260, 31.0140 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 75.1220, -10.8260, 31.0140 by changing the saturation by 10% instead.



■ 75.1220, -10.8260,  
31.0140

■ 75.1220, -10.8260,  
31.0140

■ 255.0000, -0.0000,  
-0.0000

■ 50.8830, -11.6510,  
29.4450

■ 125.3010, -9.7720,  
33.9400

■ 27.0460, -13.6680,  
27.4520

■ 151.8280, -9.8180,  
34.7740

■ 9.5030, -16.6930,  
21.6990

■ 178.7680, -9.5890,  
36.1310

■ 6.5490, -14.3070,  
11.4930

■ 203.7440, -1.0140,  
29.4020

■ 2.8670, -6.6950,  
5.6970

■ 228.8510, 8.5700,  
20.9060

■ 0.0000, 0.0000,  
0.0000

■ 246.7820, 3.8500,

7.3220

■ 75.1220, -10.8260,  
31.0140

■ 75.1220, -10.8260,  
31.0140

■ 63.9140, -12.9360,  
36.2160

■ 86.3300, -8.7160,  
25.8120

■ 53.0050, -14.4500,  
41.6300

■ 97.2390, -7.2020,  
20.3980

■ 41.7970, -16.5600,  
46.8320

■ 108.4470, -5.0920,  
15.1960

■ 30.8880, -18.0740,  
52.2460

■ 119.3560, -3.5780,  
9.7820

■ 29.1160, -18.7160,  
52.8680

■ 130.5640, -1.4680,  
4.5800

■ 141.4730, 0.0460,  
-0.8340

■ 152.6810, 2.1560,  
-6.0360

■ 163.5900, 3.6700,  
-11.4500

■ 174.7980, 5.7800,  
-16.6520

# Harmonies

## Analogous

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



62.3960, -70.9760, 8.7680



75.1220, -10.8260, 31.0140



70.4280, 32.5910, 42.6310

# Triad

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



75.1220, -10.8260, 31.0140



69.0180, 52.3150, -6.4770



62.7650, -51.3470, -22.0910

# Complementary

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



75.1220, -10.8260, 31.0140



122.8780, 10.8260, -31.0140

# 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.



56.6890, -36.9940, -34.4180



75.1220, -10.8260, 31.0140



68.8420, 28.8430, -21.6290

# Square

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



75.1220, -10.8260, 31.0140



66.0590, 63.4060, 18.3020



60.9580, -1.3230, -36.6110



67.3250, -64.1870, -9.6510



# Rectangle

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



75.1220, -10.8260, 31.0140



63.0190, 52.8560, 44.3120



60.9580, -1.3230, -36.6110



61.1690, -46.8530, -26.4450

# Sweetspot

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



75.1220, -10.8260, 31.0140



155.0510, -4.0370, 12.5950



100.2200, -41.7220, -3.7860



76.0740, -2.8440, 7.4920



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



75.1220, -10.8260, 31.0140



80.7370, -16.3310, 48.1890



87.3810, 13.6100, 39.7060



63.3960, -1.0550, 2.6010



27.7200, -17.6610, 50.2670



1.1680, -0.4130, 1.9790



# Inverse Universe

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



88.9020, 30.8960, 34.8000



101.8910, 47.7650, 53.9810



110.6190, -13.6100, -39.7060



64.6630, 2.5670, 3.0390



50.0270, 50.3780, 56.1860

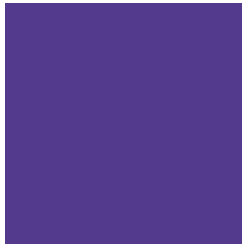


1.8370, 2.0170, 1.9930



# Previews

## White Background



This preview shows how the YIQ color 75.1220, -10.8260, 31.0140 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 75.1220, -10.8260, 31.0140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

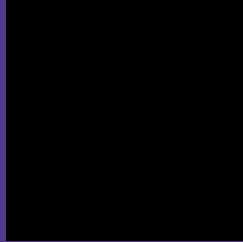
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 75.1220, -10.8260, 31.0140

## Background



This preview shows how black text looks on a background with the YIQ color 75.1220, -10.8260, 31.0140.



This preview shows how white text looks on a background with the YIQ color 75.1220, -10.8260,



# 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

75.1220, -10.8260, 31.0140

### Protanopia

59.0050, -68.3170, 10.1390

### Deuteranopia

59.1870, -63.3180, 2.1380



## Tritanopia

73.4880, -4.3100, 1.0180

# Trichromacy



## Original Color

75.1220, -10.8260, 31.0140

## Protanomaly

64.8830, -47.1820, 18.0820

## Deuteranomaly

65.2760, -44.1550, 12.7810

## Tritanomaly

73.9690, -6.7420, 12.0580

# Monochromacy



## Original Color

75.1220, -10.8260, 31.0140

## Achromatopsia

75.0000, -0.0000, -0.0000

## Achromatomaly

75.1110, -4.2660, 11.2380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.1220, -10.8260, 31.0140 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(84, 58, 140)` looks like.

```
.text, #text, p{  
    color:rgb(84, 58, 140)  
}
```

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(84, 58, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 58, 140) }
```

## Border

The CSS property to change the border of an element to YIQ 75.1220, -10.8260, 31.0140 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(84, 58, 140) }
```



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

```
.border{ border-color:rgb(84, 58, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 58, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 58, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 58, 140);  
box-shadow:4px 4px 4px 4px rgb(84, 58,  
140) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.1220, -10.8260, 31.0140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 58, 140) }
```

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

```
.background{ background-color: rgb(84, 58,  
140) }
```

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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