

# Converting Colors

YIQ(64.5960, -12.5210, 23.1830)

Have a look what the booklet for  
YIQ(64.5960, -12.5210, 23.1830)  
contains.

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# Color

**YIQ(64.5960, -12.5210,  
23.1830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	433576
RGB	67, 53, 118
RGB Percent	26%, 21%, 46%
CMY	0.7372, 0.7922, 0.5374
CMYK	0.43, 0.55, 0.00, 0.54
HSL	253°, 38%, 34%
HSV	253°, 55%, 46%
XYZ	6.8574, 5.0470, 17.7443
YIQ	64.5960, -12.5210, 23.1830

# Conversions

## Conversions Part 2

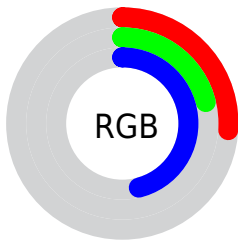
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	67, 53, 118
Decimal	4404598
CIE Lab	26.87, 23.37, -35.33
CIE LCh	27, 42.364, 303.485
Yxy	5.0470, 0.2313, 0.1702
Android (android.graphics.Color)	4282594678 (0xFF433576)
YUV	64.5960, 26.3282, 2.1083
Hunter-Lab	22.4656, 15.1702, -31.1039

# Details

The YIQ color **64.5960, -12.5210, 23.1830** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **106.4040, 12.5210, -23.1830**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.4760, -12.0630, 25.8970**, and **18.8080, -16.2340, 18.8860** is the 20% darker color. If you saturate the color by 10%, you get **54.8610, -14.5850, 27.5510**, and if you desaturate by 10%, it is **74.3310, -10.4570, 18.8150**.

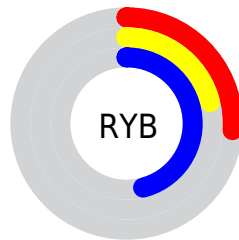
# Distribution



Red (26%)

Green (21%)

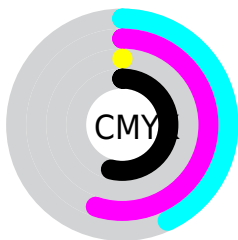
Blue (46%)



Red (26%)

Yellow (21%)

Blue (46%)

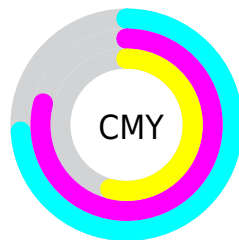


Cyan (43%)

Magenta (55%)

Yellow (0%)

Black (54%)



Cyan (74%)

Magenta (79%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 64.5960, -12.5210, 23.1830 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 64.5960, -12.5210, 23.1830 by changing the saturation by 10% instead.



■ 64.5960, -12.5210,  
23.1830

■ 64.5960, -12.5210,  
23.1830

■ 255.0000, -0.0000,  
-0.0000

■ 41.3570, -13.3460,  
21.6140

■ 113.4760,  
-12.0630, 25.8970

■ 18.8080, -16.2340,  
18.8860

■ 139.3020,  
-11.5130, 26.9430

■ 5.2440, -14.7660,  
14.3060

■ 165.8290,  
-11.5590, 27.7770

■ 3.3230, -7.9790,  
6.9410

■ 193.3560,  
-11.6050, 28.6110

■ 0.0000, 0.0000,  
0.0000

■ 217.8760, -1.7460,  
20.6380

■ 242.6730, 5.7750,

10.9830

■ 64.5960, -12.5210,  
23.1830

■ 64.5960, -12.5210,  
23.1830

■ 54.8610, -14.5850,  
27.5510

■ 74.3310, -10.4570,  
18.8150

■ 45.1260, -16.6490,  
31.9190

■ 84.3650, -7.7970,  
14.6590

■ 35.6790, -19.5840,  
35.5520

■ 93.5130, -5.4580,  
10.8140

■ 25.9440, -21.6480,  
39.9200

■ 103.2480, -3.3940,  
6.4460

■ 20.9270, -22.9780,  
41.9980

■ 112.9830, -1.3300,  
2.0780

■ 123.0170, 1.3300,  
-2.0780

■ 132.7520, 3.3940,  
-6.4460

■ 141.9000, 5.7330,  
-10.2910

■ 151.6350, 7.7970,  
-14.6590

# Harmonies

## Analogous

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



53.4480, -59.5590, 5.6010



64.5960, -12.5210, 23.1830



63.1290, 22.8270, 32.3550

# Triad

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



64.5960, -12.5210, 23.1830



59.8370, 45.5750, -5.4730



53.3100, -42.6360, -20.2680

# Complementary

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



64.5960, -12.5210, 23.1830



106.4040, 12.5210, -23.1830

# 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.



48.3740, -31.4930, -29.4850



64.5960, -12.5210, 23.1830



59.4060, 27.3750, -17.0490

# Square

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



64.5960, -12.5210, 23.1830



58.9480, 50.4770, 15.8290



54.5230, 4.6360, -28.9640



57.0720, -53.2290, -10.0050



# Rectangle

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



64.5960, -12.5210, 23.1830



59.6270, 38.9200, 32.5520



54.5230, 4.6360, -28.9640



51.4690, -38.8300, -23.1660

# Sweetspot

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



64.5960, -12.5210, 23.1830



131.7580, -4.7700, 9.3580



90.9340, -35.1650, -6.9810



64.0200, -2.7520, 5.8240



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



64.5960, -12.5210, 23.1830



70.0920, -19.3090, 36.0750



73.8650, 5.9550, 29.7550



53.9830, -1.3300, 2.0780



21.6820, -23.6660, 43.4540



44.6460, -48.0660, 89.1980



# Inverse Universe

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



78.2490, 22.3690, 29.6410



91.2050, 34.8370, 45.9810



96.8360, -6.5510, -29.9670



55.2500, 2.2920, 2.5160



47.4220, 41.8960, 55.7200



97.0940, 86.0840, 113.9560



# Previews

## White Background



This preview shows how the YIQ color 64.5960, -12.5210, 23.1830 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 64.5960, -12.5210, 23.1830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

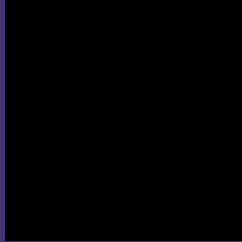
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 64.5960, -12.5210, 23.1830

## Background



This preview shows how black text looks on a background with the YIQ color 64.5960, -12.5210, 23.1830.



This preview shows how white text looks on a background with the YIQ color 64.5960, -12.5210,



# 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

64.5960, -12.5210, 23.1830

### Protanopia

56.2650, -45.6220, 11.8340

### Deuteranopia

51.2650, -54.7900, 1.7700



## Tritanopia

62.5800, -7.5650, -0.5650

# Trichromacy



## Original Color

64.5960, -12.5210, 23.1830

## Protanomaly

59.2450, -33.7020, 16.0740

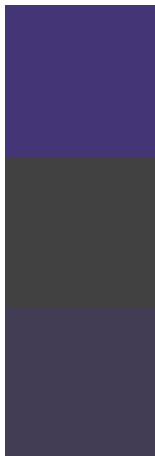
## Deuteranomaly

56.2070, -39.7070, 9.2610

## Tritanomaly

63.3660, -9.5380, 7.6620

# Monochromacy



## Original Color

64.5960, -12.5210, 23.1830

## Achromatopsia

65.0000, -0.0000, -0.0000

## Achromatomaly

65.1170, -4.4030, 8.2130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 64.5960, -12.5210, 23.1830 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(67, 53, 118)` looks like.

```
.text, #text, p{  
    color:rgb(67, 53, 118)  
}
```

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(67, 53, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 53, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 64.5960, -12.5210, 23.1830 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(67, 53, 118) }
```



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

```
.border{ border-color:rgb(67, 53, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 53, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 53, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 53, 118);  
box-shadow:4px 4px 4px 4px rgb(67, 53,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 64.5960, -12.5210, 23.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 53, 118) }
```

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

```
.background{ background-color: rgb(67, 53,  
118) }
```

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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