

# Converting Colors

YIQ(164.4870, -2.5690, 8.0150)

Have a look what the booklet for  
YIQ(164.4870, -2.5690, 8.0150)  
contains.

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# Color

**YIQ(164.4870, -2.5690,  
8.0150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7A0B5
RGB	167, 160, 181
RGB Percent	65%, 63%, 71%
CMY	0.3451, 0.3725, 0.2902
CMYK	0.08, 0.12, 0.00, 0.29
HSL	260°, 12%, 67%
HSV	260°, 12%, 71%
XYZ	36.8481, 36.6928, 48.8528
YIQ	164.4870, -2.5690, 8.0150

# Conversions

## Conversions Part 2

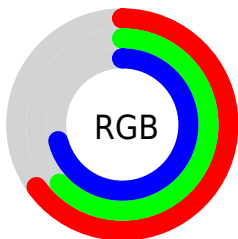
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 160, 181
Decimal	10985653
CIELab	67.05, 6.63, -9.93
CIELCh	67, 11.936, 303.716
Yxy	36.6928, 0.3011, 0.2998
Android (android.graphics.Color)	4289175733 (0xFFA7A0B5)
YUV	164.4870, 8.1409, 2.2039
Hunter-Lab	60.5746, 2.5775, -5.4145

# Details

The YIQ color  $164.4870, -2.5690, 8.0150$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $176.5130, 2.5690, -8.0150$ , and the grayscale version is  $164.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $219.6010, -2.8900, 8.3260$ , and  $112.9600, -2.5230, 7.1810$  is the 20% darker color. If you saturate the color by 10%, you get  $150.3330, -4.7710, 14.8850$ , and if you desaturate by 10%, it is  $178.6410, -0.3670, 1.1450$ .

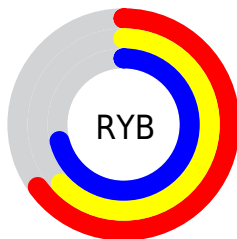
# Distribution



Red (65%)

Green (63%)

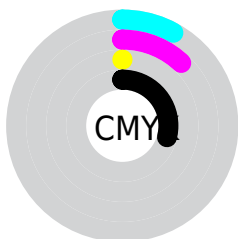
Blue (71%)



Red (65%)

Yellow (63%)

Blue (71%)

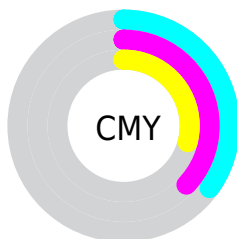


Cyan (8%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (37%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.4870, -2.5690, 8.0150 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 164.4870, -2.5690, 8.0150 by changing the saturation by 10% instead.



■ 164.4870, -2.5690,  
8.0150

■ 164.4870, -2.5690,  
8.0150

■ 255.0000, -0.0000,  
-0.0000

■ 138.3730, -2.2480,  
7.7040

■ 219.6010, -2.8900,  
8.3260

■ 112.9600, -2.5230,  
7.1810

■ 246.7600, 0.9160,  
5.4280

■ 87.9600, -2.5230,  
7.1810

■ 64.8460, -2.2020,  
6.8700

■ 42.7320, -1.8810,  
6.5590

■ 22.3190, -2.1560,  
6.0360

■ 1.3680, -3.8520,

3.7320

0.0000, 0.0000,  
0.0000

164.4870, -2.5690,  
8.0150

164.4870, -2.5690,  
8.0150

150.3330, -4.7710,  
14.8850

178.6410, -0.3670,  
1.1450

136.1790, -6.9730,  
21.7550

192.7950, 1.8350,  
-5.7250

122.0250, -9.1750,  
28.6250

206.9490, 4.0370,  
-12.5950

107.8710,  
-11.3770, 35.4950

221.1030, 6.2390,  
-19.4650

93.7170, -13.5790,  
42.3650

235.2570, 8.4410,  
-26.3350

■ 78.9760, -15.5060,  
49.7580

■ 241.7800, 14.2180,  
-26.4060

■ 64.8220, -17.7080,  
56.6280

■ 245.3680, 21.3700,  
-23.8620

■ 50.6680, -19.9100,  
63.4980

■ 246.5640, 23.7540,  
-23.0140

■ 38.5740, -22.3410,  
69.0110

# Harmonies

## Analogous

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



162.9910, -12.9760, 3.8880



164.4870, -2.5690, 8.0150



165.4020, 7.9760, 9.6400

# Triad

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



164.4870, -2.5690, 8.0150



163.5690, 17.3310, -0.2130



159.7480, -17.1460, -8.6500

# Complementary

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



164.4870, -2.5690, 8.0150



176.5130, 2.5690, -8.0150

# 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.



160.5980, -7.9760, -9.6400



164.4870, -2.5690, 8.0150



162.9980, 11.5090, -4.8350

# Square

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



164.4870, -2.5690, 8.0150



165.1010, 18.8890, 4.5930



161.2140, 1.9730, -8.2270



159.8170, -21.5940, -5.1300



# Rectangle

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



164.4870, -2.5690, 8.0150



165.5120, 13.4780, 9.0460



161.2140, 1.9730, -8.2270



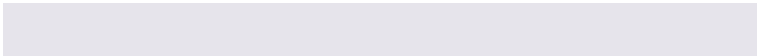
159.3030, -14.3950, -8.9470

# Sweetspot

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



164.4870, -2.5690, 8.0150



229.3960, -1.0550, 2.6010



170.6120, -10.5910, -0.7910



113.7550, -0.6880, 1.4560



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



164.4870, -2.5690, 8.0150



209.0510, -4.0370, 12.5950



167.4770, 3.3910, 10.1350



81.9230, -1.1010, 3.4350



32.6910, -18.7170, 58.3950



5.6550, -2.9820, 9.9940



# Inverse Universe

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



167.8750, 8.0220, 8.8060



214.3750, 12.6060, 13.8380



173.2240, -3.9870, -10.3470



83.3750, 3.4380, 3.7740



57.3750, 58.4460, 64.1580



9.7120, 10.0390, 10.7990



# Previews

## White Background



This preview shows how the YIQ color 164.4870, -2.5690, 8.0150 looks on a white 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



# Black Background



This preview shows how the YIQ color 164.4870, -2.5690, 8.0150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

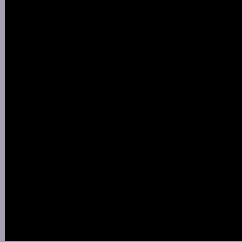
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 164.4870, -2.5690, 8.0150**

## **Background**



This preview shows how black text looks on a background with the YIQ color 164.4870, -2.5690, 8.0150.



This preview shows how white text looks on a background with the YIQ color 164.4870, -2.5690,



# 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

164.4870, -2.5690, 8.0150

### Protanopia

163.6820, -7.6120, 5.7960

### Deuteranopia

165.0960, 0.0900, 9.3860



## Tritanopia

163.9770, -1.1930, 5.1030

# Trichromacy



## Original Color

164.4870, -2.5690, 8.0150

## Protanomaly

163.9920, -5.5490, 6.9550

## Deuteranomaly

164.7970, -0.5060, 9.1740

## Tritanomaly

164.3190, -2.1560, 6.0360

# Monochromacy



## Original Color

164.4870, -2.5690, 8.0150

## Achromatopsia

164.0000, 0.0000, -0.0000

## Achromatomaly

164.3960, -1.0550, 2.6010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.4870, -2.5690, 8.0150 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(167, 160, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 160, 181)  
}
```

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(167, 160, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 160, 181) }
```

## Border

The CSS property to change the border of an element to YIQ 164.4870, -2.5690, 8.0150 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(167, 160, 181) }
```



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

```
.border{ border-color:rgb(167, 160, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 160, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 160, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 160, 181); box-shadow:4px 4px 4px 4px rgb(167, 160, 181) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.4870, -2.5690, 8.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 160, 181) }
```

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

```
.background{ background-color: rgb(167,  
160, 181) }
```

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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