

# Converting Colors

YIQ(164.0010, -0.6000, 21.8960)

Have a look what the booklet for  
YIQ(164.0010, -0.6000, 21.8960)  
contains.

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# Color

**YIQ(164.0010, -0.6000,  
21.8960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B196CA
RGB	177, 150, 202
RGB Percent	69%, 59%, 79%
CMY	0.3058, 0.4118, 0.2079
CMYK	0.12, 0.26, 0.00, 0.21
HSL	271°, 33%, 69%
HSV	271°, 26%, 79%
XYZ	39.7010, 35.4229, 60.6152
YIQ	164.0010, -0.6000, 21.8960

# Conversions

## Conversions Part 2

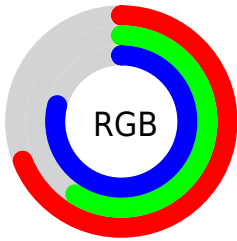
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 150, 202
Decimal	11638474
CIE Lab	66.08, 19.98, -23.02
CIE LCh	66, 30.478, 310.962
Yxy	35.4229, 0.2925, 0.2610
Android (android.graphics.Color)	4289828554 (0xFFB196CA)
YUV	164.0010, 18.7335, 11.4001
Hunter-Lab	59.5171, 14.9138, -18.7219

# Details

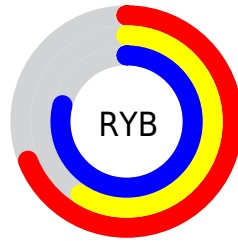
The YIQ color  $164.0010, -0.6000, 21.8960$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $187.9990, 0.6000, -21.8960$ , and the grayscale version is  $164.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $218.4850, 0.9130, 22.0090$ , and  $112.0610, -0.8290, 20.5390$  is the 20% darker color. If you saturate the color by 10%, you get  $149.2710, -1.0600, 30.2360$ , and if you desaturate by 10%, it is  $178.7310, -0.1400, 13.5560$ .

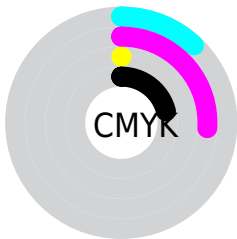
# Distribution



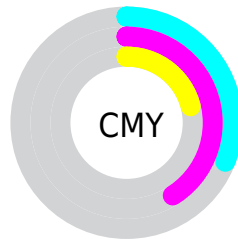
- Red (69%)
- Green (59%)
- Blue (79%)



- Red (69%)
- Yellow (59%)
- Blue (79%)



- Cyan (12%)
- Magenta (26%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (41%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 164.0010, -0.6000, 21.8960 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 164.0010, -0.6000, 21.8960 by changing the saturation by 10% instead.



■ 164.0010, -0.6000,  
21.8960

■ 164.0010, -0.6000,  
21.8960

■ 255.0000, -0.0000,  
-0.0000

■ 137.5880, -0.8750,  
21.3730

■ 218.4850, 0.9130,  
22.0090

■ 112.0610, -0.8290,  
20.5390

■ 242.0860, 6.0500,  
11.5060

■ 87.2350, -1.3790,  
19.4930

■ 63.7080, -1.3330,  
18.6590

■ 41.1810, -1.2870,  
17.8250

■ 19.3550, -1.8370,  
16.7790

■ 3.3060, -9.3090,

9.0190

0.0000, 0.0000,  
0.0000

164.0010, -0.6000,  
21.8960

164.0010, -0.6000,  
21.8960

149.2710, -1.0600,  
30.2360

178.7310, -0.1400,  
13.5560

134.8400, -0.9240,  
38.7880

193.1620, -0.2760,  
5.0040

119.5230, -1.1090,  
47.6510

208.4790, -0.0910,  
-3.8590

104.7930, -1.5690,  
55.9910

223.2090, 0.3690,  
-12.1990

90.3620, -1.4330,  
64.5430

237.9390, 0.8290,  
-20.5390

■ 75.6320, -1.8930,  
72.8830

■ 242.9780, 5.0930,  
-20.7230

■ 60.9020, -2.3530,  
81.2230

■ 245.9680, 11.0530,  
-18.6030

■ 54.4230, -2.2620,  
85.0820

■ 248.9580, 17.0130,  
-16.4830

# Harmonies

## Analogous

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



159.8770, -29.8500, 12.3420



164.0010, -0.6000, 21.8960



164.4570, 24.4790, 24.4390

# Triad

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



164.0010, -0.6000, 21.8960



160.5420, 39.1560, -4.7800



146.0140, -56.4820, -22.6420

# Complementary

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



164.0010, -0.6000, 21.8960



187.9990, 0.6000, -21.8960

# 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.



150.3190, -29.6600, -24.1560



164.0010, -0.6000, 21.8960



158.0080, 22.7440, -15.7200

# Square

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



164.0010, -0.6000, 21.8960



161.9810, 45.7100, 8.6060



154.9170, -2.1050, -22.4330



145.4120, -69.0460, -15.2060



# Rectangle

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



164.0010, -0.6000, 21.8960



164.2210, 36.7670, 22.0070



154.9170, -2.1050, -22.4330



147.3800, -48.8250, -23.7450

# Sweetspot

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



164.0010, -0.6000, 21.8960



240.2700, -0.4600, 8.3400



170.6030, -23.5670, 3.0970



118.2760, -0.5970, 5.3150



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



164.0010, -0.6000, 21.8960



197.2650, -0.9230, 33.2610



171.3620, 14.6210, 26.8850



94.6350, -0.2300, 4.1700



44.6380, -2.0300, 69.8580



10.3120, -0.2780, 16.0580



# Inverse Universe

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



168.3980, 22.9670, 18.7990



203.9530, 34.8860, 28.5660



180.6380, -14.6210, -26.8850



95.5600, 4.3550, 3.6750



58.7540, 73.2560, 60.0720



13.4140, 16.8700, 13.6540



# Previews

## White Background



This preview shows how the YIQ color 164.0010, -0.6000, 21.8960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

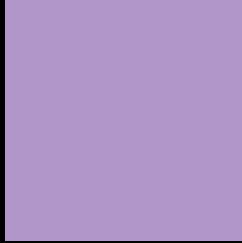
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 164.0010, -0.6000, 21.8960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

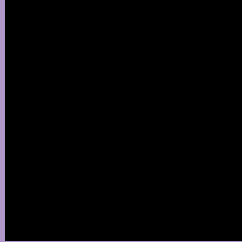
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 164.0010, -0.6000, 21.8960**

## **Background**



This preview shows how black text looks on a background with the YIQ color 164.0010, -0.6000, 21.8960.



This preview shows how white text looks on a background with the YIQ color 164.0010, -0.6000,

21.8960.

# 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

164.0010, -0.6000, 21.8960

### Protanopia

161.2970, -22.2850, 12.9070

### Deuteranopia

161.7170, -14.7200, 13.4720



## Tritanopia

162.1520, 5.6840, 7.1240

# Trichromacy



## Original Color

164.0010, -0.6000, 21.8960

## Protanomaly

162.5970, -14.2620, 16.1860

## Deuteranomaly

162.3480, -9.1270, 16.7370

## Tritanomaly

162.9440, 3.5740, 12.3260

# Monochromacy



## Original Color

164.0010, -0.6000, 21.8960

## Achromatopsia

164.0000, 0.0000, -0.0000

## Achromatomaly

164.1560, -0.1390, 8.0290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 164.0010, -0.6000, 21.8960 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(177, 150, 202)` looks like.

```
.text, #text, p{  
    color:rgb(177, 150, 202)  
}
```

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(177, 150, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 150, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 164.0010, -0.6000, 21.8960 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(177, 150, 202) }
```



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

```
.border{ border-color:rgb(177, 150, 202) }
```

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

Here you see how a box with a 4 pixel rgb(177, 150, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 150, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 150, 202);  
box-shadow:4px 4px 4px 4px rgb(177, 150,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 164.0010, -0.6000, 21.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 150, 202) }
```

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

```
.background{ background-color: rgb(177,  
150, 202) }
```

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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