

# Converting Colors

YIQ(181.7680, 7.6060, 27.3660)

Have a look what the booklet for  
YIQ(181.7680, 7.6060, 27.3660)  
contains.

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# Color

**YIQ(181.7680, 7.6060,  
27.3660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEA2DC
RGB	206, 162, 220
RGB Percent	81%, 64%, 86%
CMY	0.1920, 0.3648, 0.1373
CMYK	0.06, 0.26, 0.00, 0.14
HSL	286°, 45%, 75%
HSV	286°, 26%, 86%
XYZ	51.2984, 44.1283, 73.5214
YIQ	181.7680, 7.6060, 27.3660

# Conversions

## Conversions Part 2

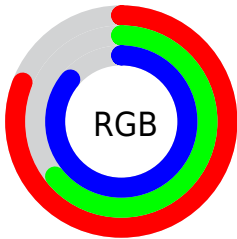
Format	Color
R <sub>Y</sub> B	206, 162, 220
Decimal	13542108
CIE Lab	72.31, 26.43, -23.20
CIE LCh	72, 35.163, 318.726
Yxy	44.1283, 0.3036, 0.2612
Android (android.graphics.Color)	4291732188 (0xFFCEA2DC)
YUV	181.7680, 18.8484, 21.2515
Hunter-Lab	66.4291, 21.5918, -19.1197

# Details

The YIQ color  $181.7680, 7.6060, 27.3660$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $200.2320, -7.6060, -27.3660$ , and the grayscale version is  $182.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $232.6940, 10.4500, 19.8740$ , and  $128.5290, 6.7810, 25.7970$  is the 20% darker color. If you saturate the color by 10%, you get  $167.3590, 10.6760, 37.8120$ , and if you desaturate by 10%, it is  $196.1770, 4.5360, 16.9200$ .

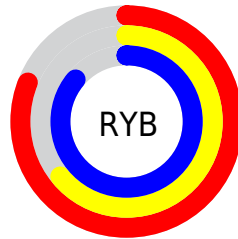
# Distribution



Red (81%)

Green (64%)

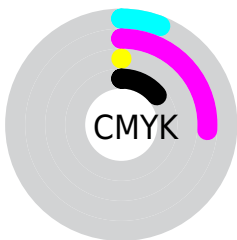
Blue (86%)



Red (81%)

Yellow (64%)

Blue (86%)

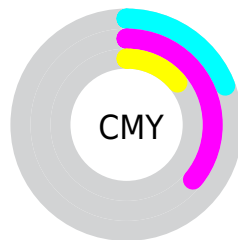


Cyan (6%)

Magenta (26%)

Yellow (0%)

Black (14%)



Cyan (19%)

Magenta (36%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 181.7680, 7.6060, 27.3660 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 181.7680, 7.6060, 27.3660 by changing the saturation by 10% instead.



181.7680, 7.6060,  
27.3660

181.7680, 7.6060,  
27.3660

255.0000, -0.0000,  
-0.0000

154.9420, 7.0560,  
26.3200

232.6940, 10.4500,  
19.8740

128.5290, 6.7810,  
25.7970

249.7170, 2.4750,  
4.7070

103.0020, 6.8270,  
24.9630

78.2900, 5.9560,  
24.2280

54.7630, 6.0020,  
23.3940

32.0510, 5.1310,  
22.6590

14.0570, 4.9940,

19.6340

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 181.7680, 7.6060,  
27.3660

■ 181.7680, 7.6060,  
27.3660

■ 167.3590, 10.6760,  
37.8120

■ 196.1770, 4.5360,  
16.9200

■ 152.6510, 13.1500,  
48.0460

■ 210.8850, 2.0620,  
6.6860

■ 138.2420, 16.2200,  
58.4920

■ 225.2940, -1.0080,  
-3.7600

■ 123.8330, 19.2900,  
68.9380

■ 239.7030, -4.0780,  
-14.2060

■ 109.4240, 22.3600,  
79.3840

■ 244.4320, -1.8770,  
-15.5490

■ 94.7160, 24.8340,  
89.6180

■ 245.9270, 1.1030,  
-14.4890

■ 80.3070, 27.9040,  
100.0640

■ 247.4220, 4.0830,  
-13.4290

■ 75.0130, 28.9120,  
103.8240

■ 248.9170, 7.0630,  
-12.3690

■ 250.7110, 10.6390,  
-11.0970

# Harmonies

## Analogous

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



177.7190, -26.2290, 18.3070



181.7680, 7.6060, 27.3660



181.8390, 35.2070, 28.2550

# Triad

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



181.7680, 7.6060, 27.3660



176.1630, 41.5410, -9.4590



157.2550, -76.3340, -26.3020

# Complementary

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



181.7680, 7.6060, 27.3660



200.2320, -7.6060, -27.3660

# 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.



163.3710, -44.6060, -28.6220



181.7680, 7.6060, 27.3660



173.5790, 19.3980, -21.1620

# Square

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



181.7680, 7.6060, 27.3660



178.1080, 52.5420, 5.9340



169.2640, -10.6320, -27.5920



158.3980, -83.6260, -15.2900



# Rectangle

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



181.7680, 7.6060, 27.3660



180.8370, 46.7160, 23.4200



169.2640, -10.6320, -27.5920



158.9910, -66.8430, -27.6030

# Sweetspot

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



181.7680, 7.6060, 27.3660



241.7650, 2.5200, 9.4000



176.8300, -22.4680, 10.7160



119.1730, 1.1910, 5.9510



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.



181.7680, 7.6060, 27.3660



200.8860, 10.6300, 38.6460



184.2440, 20.7650, 25.6690



102.6460, 1.2370, 5.1170



59.1900, 23.1390, 81.7870



15.7090, 6.0940, 21.7260



# Inverse Universe

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



180.9380, 30.0740, 16.6500



199.7980, 42.4520, 23.6040



197.6420, -20.4440, -25.9800



102.5170, 5.9140, 2.9540



56.5150, 89.6260, 49.7380

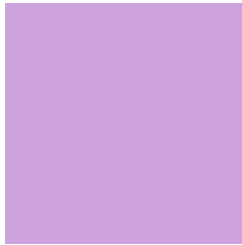


15.0080, 23.8850, 13.1730



# Previews

## White Background



This preview shows how the YIQ color 181.7680, 7.6060, 27.3660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

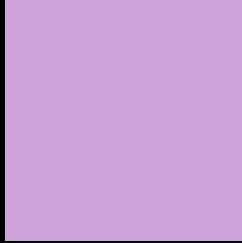
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 181.7680, 7.6060, 27.3660 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 181.7680, 7.6060, 27.3660

## Background



This preview shows how black text looks on a background with the YIQ color 181.7680, 7.6060, 27.3660.



This preview shows how white text looks on a background with the YIQ color 181.7680, 7.6060,

27.3660.

# 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

181.7680, 7.6060, 27.3660

### Protanopia

178.2690, -25.0820, 14.0380

### Deuteranopia

179.3150, -13.5280, 13.8960



## Tritanopia

179.7510, 14.3030, 10.6150

# Trichromacy



## Original Color

181.7680, 7.6060, 27.3660

## Protanomaly

179.6620, -12.8870, 18.8010

## Deuteranomaly

180.3700, -6.1930, 18.6310

## Tritanomaly

180.1840, 11.8260, 16.9620

# Monochromacy



## Original Color

181.7680, 7.6060, 27.3660

## Achromatopsia

182.0000, -0.0000, -0.0000

## Achromatomaly

182.1780, 2.7950, 9.9230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 181.7680, 7.6060, 27.3660 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(206, 162, 220)` looks like.

```
.text, #text, p{  
    color:rgb(206, 162, 220)  
}
```

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(206, 162, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 162, 220) }
```

## Border

The CSS property to change the border of an element to YIQ 181.7680, 7.6060, 27.3660 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(206, 162, 220) }
```



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

```
.border{ border-color:rgb(206, 162, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 162, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 162, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 162, 220);  
box-shadow:4px 4px 4px 4px rgb(206, 162,  
220) }
```

# Background

The CSS property to change the background color of an element to YIQ 181.7680, 7.6060, 27.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 162, 220) }
```

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

```
.background{ background-color: rgb(206,  
162, 220) }
```

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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