

# Converting Colors

YIQ(178.4080, 8.9800, 35.5080)

Have a look what the booklet for  
YIQ(178.4080, 8.9800, 35.5080)  
contains.

<b>YIQ(178.4080, 8.9800, 35.5080)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(178.4080, 8.9800,  
35.5080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D199E5
RGB	209, 153, 229
RGB Percent	82%, 60%, 90%
CMY	0.1802, 0.4001, 0.1020
CMYK	0.09, 0.33, 0.00, 0.10
HSL	284°, 59%, 75%
HSV	284°, 33%, 90%
XYZ	51.8370, 41.9937, 79.4979
YIQ	178.4080, 8.9800, 35.5080

# Conversions

## Conversions Part 2

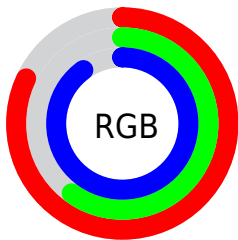
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 153, 229
Decimal	13736421
CIE Lab	70.87, 34.09, -30.32
CIE LCh	71, 45.621, 318.344
Yxy	41.9937, 0.2991, 0.2423
Android (android.graphics.Color)	4291926501 (0xFFD199E5)
YUV	178.4080, 24.9419, 26.8292
Hunter-Lab	64.8025, 29.3817, -27.3735

# Details

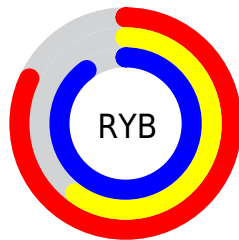
The YIQ color  $178.4080, 8.9800, 35.5080$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $203.5920, -8.9800, -35.5080$ , and the grayscale version is  $178.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $227.4110, 12.9250, 24.5810$ , and  $125.0550, 8.4760, 33.6280$  is the 20% darker color. If you saturate the color by 10%, you get  $163.1130, 11.7290, 46.2650$ , and if you desaturate by 10%, it is  $193.7030, 6.2310, 24.7510$ .

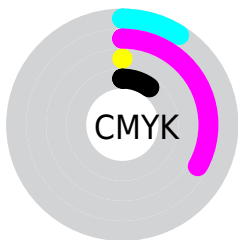
# Distribution



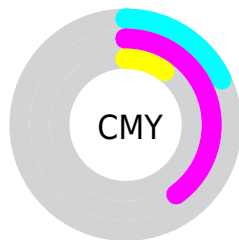
- Red (82%)
- Green (60%)
- Blue (90%)



- Red (82%)
- Yellow (60%)
- Blue (90%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (18%)
- Magenta (40%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.4080, 8.9800, 35.5080 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 178.4080, 8.9800, 35.5080 by changing the saturation by 10% instead.



178.4080, 8.9800,  
35.5080

178.4080, 8.9800,  
35.5080

255.0000, -0.0000,  
-0.0000

151.5820, 8.4300,  
34.4620

227.4110, 12.9250,  
24.5810

125.0550, 8.4760,  
33.6280

243.8470, 5.2250,  
9.9370

99.2290, 7.9260,  
32.5820

74.5170, 7.0550,  
31.8470

49.9900, 7.1010,  
31.0130

25.1040, 6.7800,  
31.3240

15.1540, 3.3430,

22.0230

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,  
0.0000

■ 178.4080, 8.9800,  
35.5080

■ 178.4080, 8.9800,  
35.5080

■ 163.1130, 11.7290,  
46.2650

■ 193.7030, 6.2310,  
24.7510

■ 147.8180, 14.4780,  
57.0220

■ 208.9980, 3.4820,  
13.9940

■ 132.5230, 17.2270,  
67.7790

■ 224.2930, 0.7330,  
3.2370

■ 117.2280, 19.9760,  
78.5360

■ 239.5880, -2.0160,  
-7.5200

101.9330, 22.7250,  
89.2930

247.2520, -1.1900,  
-11.4780

87.2250, 25.1990,  
99.5270

249.0460, 2.3860,  
-10.2060

76.6370, 27.2150,  
107.0470

250.8400, 5.9620,  
-8.9340

252.0360, 8.3460,  
-8.0860

# Harmonies

## Analogous

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



173.3790, -36.7750, 22.2090



178.4080, 8.9800, 35.5080



177.1980, 44.7420, 37.1740

# Triad

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



178.4080, 8.9800, 35.5080



170.9160, 52.3620, -12.8380



137.0370, -117.1830, -40.4070

# Complementary

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



178.4080, 8.9800, 35.5080



203.5920, -8.9800, -35.5080

# 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.



150.3850, -65.5570, -39.9010



178.4080, 8.9800, 35.5080



167.5870, 24.9470, -28.1170

# Square

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



178.4080, 8.9800, 35.5080



173.5780, 65.8380, 7.2620



161.8410, -14.1150, -36.0590



138.7930, -127.6390, -27.1190



# Rectangle

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



178.4080, 8.9800, 35.5080



175.5230, 59.6440, 31.4200



161.8410, -14.1150, -36.0590



135.4410, -112.6890, -44.7610

# Sweetspot

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



178.4080, 8.9800, 35.5080



238.2320, 2.7030, 11.5910



173.4040, -29.8960, 13.1760



117.1130, 1.4200, 7.3080



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.



178.4080, 8.9800, 35.5080



187.0530, 11.9580, 47.6220



182.3360, 26.6780, 34.1500



107.0590, 1.5120, 5.6400



59.8740, 21.2130, 83.6530



17.1760, 6.2770, 23.9170



# Inverse Universe

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



178.0040, 38.8760, 22.3320



186.5760, 52.1250, 30.0210



199.6640, -26.6780, -34.1500



106.9300, 6.1890, 3.4770



58.8790, 91.5970, 52.5650

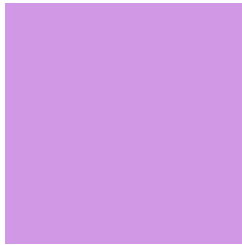


16.7310, 26.2230, 14.8550



# Previews

## White Background



This preview shows how the YIQ color 178.4080, 8.9800, 35.5080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

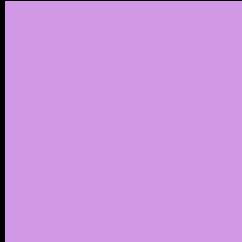
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.4080, 8.9800, 35.5080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

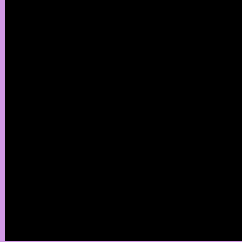
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 178.4080, 8.9800, 35.5080

## Background



This preview shows how black text looks on a background with the YIQ color 178.4080, 8.9800, 35.5080.



This preview shows how white text looks on a background with the YIQ color 178.4080, 8.9800,

35.5080.

# 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

178.4080, 8.9800, 35.5080

### Protanopia

173.5270, -34.4360, 18.3640

### Deuteranopia

174.8780, -22.4230, 15.4090



## Tritanopia

176.4310, 18.2000, 11.5760

# Trichromacy



## Original Color

178.4080, 8.9800, 35.5080



## Protanomaly

175.1270, -18.3900, 24.9220



## Deuteranomaly

175.9660, -10.6870, 22.9850



## Tritanomaly

177.1460, 14.9890, 20.2130

# Monochromacy



## Original Color

178.4080, 8.9800, 35.5080



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

178.1720, 2.9320, 12.9480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.4080, 8.9800, 35.5080 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(209, 153, 229)` looks like.

```
.text, #text, p{  
    color:rgb(209, 153, 229)  
}
```

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(209, 153, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 153, 229) }
```

## Border

The CSS property to change the border of an element to YIQ 178.4080, 8.9800, 35.5080 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(209, 153, 229) }
```



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

```
.border{ border-color:rgb(209, 153, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 153, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 153, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 153, 229); box-shadow:4px 4px 4px 4px rgb(209, 153, 229) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.4080, 8.9800, 35.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 153, 229) }
```

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

```
.background{ background-color: rgb(209,  
153, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor