

# Converting Colors

YIQ(178.5820, 7.2890, 5.5690)

Have a look what the booklet for  
YIQ(178.5820, 7.2890, 5.5690)  
contains.

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# Color

**YIQ(178.5820, 7.2890,  
5.5690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDADB4
RGB	189, 173, 180
RGB Percent	74%, 68%, 71%
CMY	0.2588, 0.3216, 0.2941
CMYK	0.00, 0.08, 0.05, 0.26
HSL	334°, 11%, 71%
HSV	334°, 8%, 74%
XYZ	44.1701, 44.0003, 49.3481
YIQ	178.5820, 7.2890, 5.5690

# Conversions

## Conversions Part 2

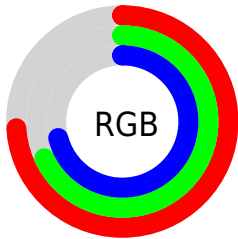
Format	Color
<a href="#">RYB</a>	<a href="#">189, 173, 180</a>
Decimal	<a href="#">12430772</a>
CIELab	<a href="#">72.23, 6.99, -1.51</a>
CIELCh	<a href="#">72, 7.152, 347.825</a>
Yxy	<a href="#">44.0003, 0.3212, 0.3200</a>
Android (android.graphics.Color)	<a href="#">4290620852</a> ( <a href="#">0xFFBDADB4</a> )
YUV	<a href="#">178.5820, 0.6991, 9.1366</a>
Hunter-Lab	<a href="#">66.3327, 2.7785, 2.3242</a>

# Details

The YIQ color  $178.5820, 7.2890, 5.5690$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $183.4180, -7.2890, -5.5690$ , and the grayscale version is  $179.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $233.9950, 7.5640, 6.0920$ , and  $126.1690, 7.0140, 5.0460$  is the 20% darker color. If you saturate the color by 10%, you get  $166.1750, 16.0450, 12.0850$ , and if you desaturate by 10%, it is  $190.9890, -1.4670, -0.9470$ .

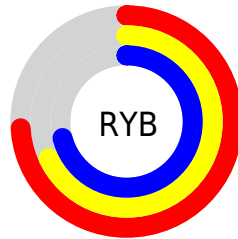
# Distribution



Red (74%)

Green (68%)

Blue (71%)



Red (74%)

Yellow (68%)

Blue (71%)

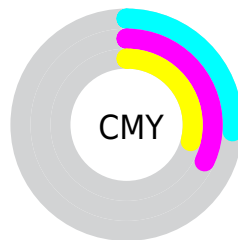


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (26%)



Cyan (26%)

Magenta (32%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.5820, 7.2890, 5.5690 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 178.5820, 7.2890, 5.5690 by changing the saturation by 10% instead.



■ 178.5820, 7.2890,  
5.5690

■ 178.5820, 7.2890,  
5.5690

255.0000, -0.0000,  
-0.0000

■ 151.5820, 7.2890,  
5.5690

■ 233.9950, 7.5640,  
6.0920

■ 126.1690, 7.0140,  
5.0460

■ 100.8700, 6.4180,  
4.8340

■ 76.8700, 6.4180,  
4.8340

■ 54.5710, 5.8220,  
4.6220

■ 33.1580, 5.5470,  
4.0990

■ 9.4080, 7.8390,

6.6150

0.0000, 0.0000,  
0.0000

178.5820, 7.2890,  
5.5690

178.5820, 7.2890,  
5.5690

166.1750, 16.0450,  
12.0850

190.9890, -1.4670,  
-0.9470

153.8820, 24.4800,  
18.9120

203.2820, -9.9020,  
-7.7740

141.4750, 33.2360,  
25.4280

215.6890,  
-18.6580, -14.2900

129.0680, 41.9920,  
31.9440

228.0960,  
-27.4140, -20.8060

116.7750, 50.4270,  
38.7710

232.7580,  
-32.2740, -20.8340

■ 104.9550, 58.9080,  
44.7640

■ 234.0120,  
-35.8050, -17.4130

■ 92.6620, 67.3430,  
51.5910

■ 235.1520,  
-39.0150, -14.3030

■ 80.2550, 76.0990,  
58.1070

■ 235.2660,  
-39.3360, -13.9920

■ 67.8480, 84.8550,  
64.6230

# Harmonies

## Analogous

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



178.0590, 1.5120, 5.6400



178.5820, 7.2890, 5.5690



178.6810, 11.3240, 4.0280

# Triad

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



178.5820, 7.2890, 5.5690



176.5180, 4.1730, -4.0430



175.3020, -12.6540, -1.9500

# Complementary

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



178.5820, 7.2890, 5.5690



183.4180, -7.2890, -5.5690

# 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.



175.0200, -11.9200, -4.2400



178.5820, 7.2890, 5.5690



175.9410, -1.5120, -5.6400

# Square

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



178.5820, 7.2890, 5.5690



177.3230, 9.2160, -1.8240



175.1190, -7.8850, -5.7810



176.3780, -9.8120, 1.6120



# Rectangle

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



178.5820, 7.2890, 5.5690



177.9260, 12.0120, 2.5720



175.1190, -7.8850, -5.7810



175.7750, -12.6080, -2.7840

# Sweetspot

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



178.5820, 7.2890, 5.5690



239.8480, 3.4840, 2.9400



177.5150, 0.2280, 6.8840



119.4240, 1.7420, 1.4700



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



178.5820, 7.2890, 5.5690



228.7290, 11.3690, 8.7210



178.3710, 9.2610, 2.8690



88.1470, 4.0800, 3.1520



55.1080, 72.0190, 54.9550



10.7510, 14.3030, 10.6150



# Inverse Universe

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



178.5820, 7.2890, 5.5690



228.7290, 11.3690, 8.7210



183.6290, -9.2610, -2.8690



88.1470, 4.0800, 3.1520



55.1080, 72.0190, 54.9550



10.7510, 14.3030, 10.6150



# Previews

## White Background



This preview shows how the YIQ color 178.5820, 7.2890, 5.5690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

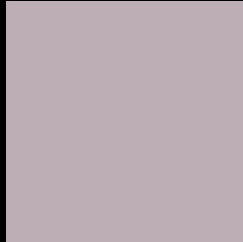
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.5820, 7.2890, 5.5690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

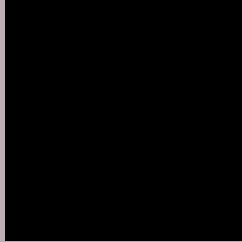
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 178.5820, 7.2890, 5.5690**

## **Background**



This preview shows how black text looks on a background with the YIQ color 178.5820, 7.2890, 5.5690.



This preview shows how white text looks on a background with the YIQ color 178.5820, 7.2890,



# 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

178.5820, 7.2890, 5.5690

### Protanopia

177.5810, -0.1380, 2.5020

### Deuteranopia

179.1910, 9.9480, 6.9400



## Tritanopia

178.9780, 6.2340, 8.1700

# Trichromacy



## Original Color

178.5820, 7.2890, 5.5690

## Protanomaly

178.0760, 2.8420, 3.5620

## Deuteranomaly

178.8920, 9.3520, 6.7280

## Tritanomaly

178.7500, 6.8760, 7.5480

# Monochromacy



## Original Color

178.5820, 7.2890, 5.5690

## Achromatopsia

179.0000, -0.0000, -0.0000

## Achromatomaly

179.0220, 2.9340, 1.8940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.5820, 7.2890, 5.5690 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(189, 173, 180)` looks like.

```
.text, #text, p{  
    color:rgb(189, 173, 180)  
}
```

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(189, 173, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 173, 180) }
```

## Border

The CSS property to change the border of an element to YIQ 178.5820, 7.2890, 5.5690 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(189, 173, 180) }
```



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

```
.border{ border-color:rgb(189, 173, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 173, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 173, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 173, 180);  
box-shadow:4px 4px 4px 4px rgb(189, 173,  
180) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.5820, 7.2890, 5.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 173, 180) }
```

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

```
.background{ background-color: rgb(189,  
173, 180) }
```

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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