

Converting Colors

YIQ(58.7290, -12.7120, 65.2080)

Have a look what the booklet for
YIQ(58.7290, -12.7120, 65.2080)
contains.

YIQ(58.7290, -12.7120, 65.2080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(58.7290, -12.7120,
65.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	5714B8
RGB	87, 20, 184
RGB Percent	34%, 8%, 72%
CMY	0.6585, 0.9217, 0.2786
CMYK	0.53, 0.89, 0.00, 0.28
HSL	265°, 80%, 40%
HSV	265°, 89%, 72%
XYZ	12.8334, 5.9876, 45.8019
YIQ	58.7290, -12.7120, 65.2080

Conversions

Conversions Part 2

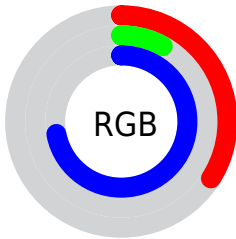
Format	Color
R_{YB}	87, 20, 184
Decimal	5706936
CIE _{Lab}	29.38, 60.90, -71.61
CIE _{LCh}	29, 94.007, 310.379
Yxy	5.9876, 0.1986, 0.0927
Android (android.graphics.Color)	4283897016 (0xFF5714B8)
YUV	58.7290, 61.7586, 24.7937
Hunter-Lab	24.4695, 50.7950, -93.8499

Details

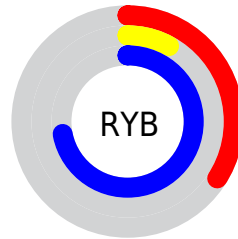
The YIQ color **58.7290, -12.7120, 65.2080** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **145.2710, 12.7120, -65.2080**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **116.6260, -10.9240, 65.8440**, and **15.9020, -39.0250, 40.9670** is the 20% darker color. If you saturate the color by 10%, you get **44.8740, -14.3180, 72.2900**, and if you desaturate by 10%, it is **72.5840, -11.1060, 58.1260**.

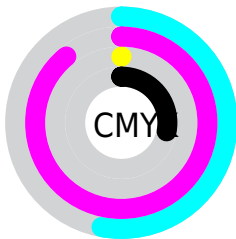
Distribution



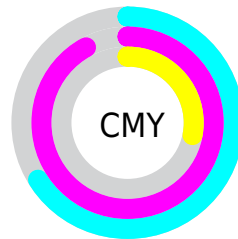
- Red (34%)
- Green (8%)
- Blue (72%)



- Red (34%)
- Yellow (8%)
- Blue (72%)



- Cyan (53%)
- Magenta (89%)
- Yellow (0%)
- Black (28%)



- Cyan (66%)
- Magenta (92%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.7290, -12.7120, 65.2080 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 58.7290, -12.7120, 65.2080 by changing the saturation by 10% instead.

■ 58.7290, -12.7120,
65.2080

■ 58.7290, -12.7120,
65.2080

■ 255.0000, -0.0000,
-0.0000

■ 34.2290, -17.2960,
60.1760

■ 116.6260,
-10.9240, 65.8440

■ 16.2010, -38.4290,
41.1790

■ 143.0410, -4.9630,
62.4370

■ 11.7420, -33.0630,
32.0330

■ 167.5610, 4.8960,
54.4640

■ 8.8920, -25.0380,
24.2580

■ 192.6790, 15.9470,
46.9150

■ 9.0910, -18.7090,
14.1790

■ 214.4970, 18.9750,
36.0870

■ 4.8220, -10.8220,
8.9060

■ 231.5200, 11.0000,


■ 0.4560, -1.2840,


20.9200


1.2440


 248.5430, 3.0250,
5.7530


 0.0000, 0.0000,
0.0000


 58.7290, -12.7120,
65.2080


 58.7290, -12.7120,
65.2080

 44.8740, -14.3180,
72.2900

 72.5840, -11.1060,
58.1260

 43.4010, -14.3640,
73.1240

 87.0260, -9.7750,
50.5210

 100.8810, -8.1690,
43.4390

 115.3230, -6.8380,
35.8340

 128.8790, -5.8280,
28.5400

■ 142.7340, -4.2220,
21.4580

■ 157.1760, -2.8910,
13.8530

■ 171.0310, -1.2850,
6.7710

■ 185.4730, 0.0460,
-0.8340

Harmonies

Analogous

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



68.9910, -90.9240, 28.8840



58.7290, -12.7120, 65.2080



63.3140, 60.4160, 72.5120

Triad

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



58.7290, -12.7120, 65.2080



63.1920, 60.9330, 2.5410



65.3070, -55.7490, -19.4050

Complementary

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



58.7290, -12.7120, 65.2080



145.2710, 12.7120, -65.2080

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.



54.5570, -28.2350, -44.4830



58.7290, -12.7120, 65.2080



62.5630, 16.3270, -26.0810

Square

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



58.7290, -12.7120, 65.2080



49.3350, 98.3400, 34.9800



51.0690, -23.9250, -45.5010



74.5750, -79.0900, 1.6300

Rectangle

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



58.7290, -12.7120, 65.2080



62.9250, 85.9560, 61.1880



51.0690, -23.9250, -45.5010



61.8700, -47.4490, -26.6570

Sweetspot

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



58.7290, -12.7120, 65.2080



190.1840, -5.3690, 25.7270



96.2220, -79.5940, -0.2500



90.2300, -2.9830, 15.5210



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

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



58.7290, -12.7120, 65.2080



56.6620, -18.6320, 95.4160



82.9480, 35.5640, 82.3800



84.9230, -1.1010, 3.4350



36.9200, -11.9320, 62.0840



6.4810, -2.4320, 11.0400

Inverse Universe

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



80.0940, 66.6070, 64.9350



87.9480, 97.4580, 95.0420



121.0520, -35.5640, -82.3800



86.2610, 3.7590, 3.4630



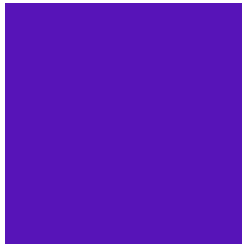
57.1320, 63.4440, 61.6840



10.3100, 11.2310, 11.2230

Previews

White Background



This preview shows how the YIQ color 58.7290, -12.7120, 65.2080 looks on a white background.

Color Contrast Check

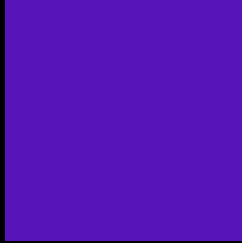
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 58.7290, -12.7120, 65.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

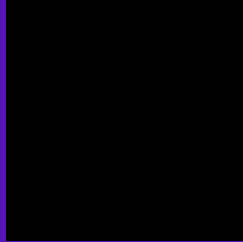
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 58.7290, -12.7120, 65.2080

Background



This preview shows how black text looks on a background with the YIQ color 58.7290, -12.7120, 65.2080.



This preview shows how white text looks on a background with the YIQ color 58.7290, -12.7120,

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

58.7290, -12.7120, 65.2080

Protanopia

56.2180, -64.6030, 8.9090

Deuteranopia

56.1720, -58.9620, 0.2860



Tritanopia

68.0030, -13.2500, -2.1620

Trichromacy



Original Color

58.7290, -12.7120, 65.2080

Protanomaly

57.5170, -45.6710, 29.2490

Deuteranomaly

57.2090, -42.0480, 24.1600

Tritanomaly

64.7700, -13.0710, 22.1370

Monochromacy



Original Color

58.7290, -12.7120, 65.2080

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

58.9020, -4.6350, 23.4370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.7290, -12.7120, 65.2080 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(87, 20, 184)` looks like.

```
.text, #text, p{  
    color:rgb(87, 20, 184)  
}
```

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(87, 20, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 20, 184) }
```

Border

The CSS property to change the border of an element to YIQ 58.7290, -12.7120, 65.2080 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(87, 20, 184) }
```


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

```
.border{ border-color:rgb(87, 20, 184) }
```

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

Here you see how a box with a 4 pixel rgb(87, 20, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 20, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 20, 184);  
box-shadow:4px 4px 4px 4px rgb(87, 20,  
184) }
```

Background

The CSS property to change the background color of an element to YIQ 58.7290, -12.7120, 65.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 20, 184) }
```

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

```
.background{ background-color: rgb(87, 20,  
184) }
```

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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