

Converting Colors

YIQ(85.0710, -6.7890, 18.4190)

Have a look what the booklet for
YIQ(85.0710, -6.7890, 18.4190)
contains.

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Color

**YIQ(85.0710, -6.7890,
18.4190)**

Conversions

Conversions Part 1

Format	Color
Hex	5A4B7C
RGB	90, 75, 124
RGB Percent	35%, 29%, 49%
CMY	0.6470, 0.7059, 0.5138
CMYK	0.27, 0.40, 0.00, 0.51
HSL	258°, 25%, 39%
HSV	258°, 40%, 49%
XYZ	10.3708, 8.6606, 20.1884
YIQ	85.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

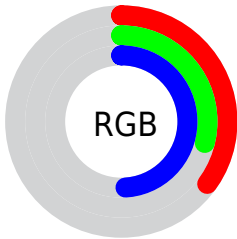
Format	Color
RYB	90, 75, 124
Decimal	5917564
CIELab	35.32, 17.71, -25.56
CIElCh	35, 31.093, 304.715
Yxy	8.6606, 0.2644, 0.2208
Android (android.graphics.Color)	4284107644 (0xFF5A4B7C)
YUV	85.0710, 19.1920, 4.3227
Hunter-Lab	29.4290, 11.4029, -20.0729




Details

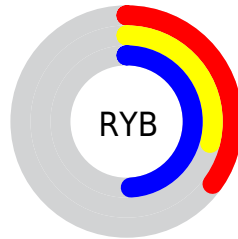
The YIQ color $[85.0710, -6.7890, 18.4190]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[113.9290, 6.7890, -18.4190]$, and the grayscale version is $[85.0000, -0.0000, 0.0000]$.




A 20% lighter version of the original color is $[135.1250, -6.8810, 20.0870]$, and $[39.3050, -7.5680, 16.0160]$ is the 20% darker color. If you saturate the color by 10%, you get $[75.3360, -8.8530, 22.7870]$, and if you desaturate by 10%, it is $[94.8060, -4.7250, 14.0510]$.

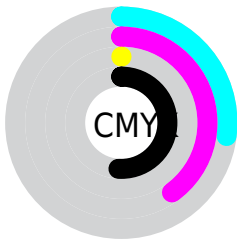
Distribution







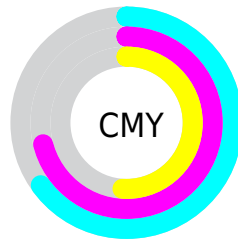
-  Red (35%)
-  Green (29%)
-  Blue (49%)






-  Red (35%)
-  Yellow (29%)
-  Blue (49%)



-  Cyan (27%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (65%)
-  Magenta (71%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.0710, -6.7890, 18.4190 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 85.0710, -6.7890, 18.4190 by changing the saturation by 10% instead.

■ 85.0710, -6.7890,
18.4190

■ 85.0710, -6.7890,
18.4190

■ 255.0000, -0.0000,
-0.0000

■ 61.5440, -6.7430,
17.5850

■ 135.1250, -6.8810,
20.0870

■ 39.3050, -7.5680,
16.0160

■ 161.5380, -6.6060,
20.6100

■ 17.1910, -7.2470,
15.7050

■ 189.0650, -6.6520,
21.4440

■ 4.5940, -10.1800,
8.2840

■ 215.7940, -4.4510,
20.1010

■ 0.1140, -0.3210,
0.3110

■ 240.9010, 5.1330,
11.6050

■ 0.0000, 0.0000,
0.0000

■ 85.0710, -6.7890,
18.4190

■ 85.0710, -6.7890,
18.4190

■ 75.3360, -8.8530,
22.7870

■ 94.8060, -4.7250,
14.0510

■ 65.3130, -10.0460,
27.8900

■ 104.8290, -3.5320,
8.9480

■ 55.5780, -12.1100,
32.2580

■ 114.5640, -1.4680,
4.5800

■ 45.5550, -13.3030,
37.3610

■ 124.5870, -0.2750,
-0.5230

■ 35.8200, -15.3670,
41.7290

■ 134.3220, 1.7890,
-4.8910

■ 26.0850, -17.4310,
46.0970

■ 144.0570, 3.8530,
-9.2590

■ 25.4980, -17.1560,
46.6200

■ 154.0800, 5.0460,
-14.3620

■ 163.8150, 7.1100,

-18.7300

■ 173.8380, 8.3030,
-23.8330

Harmonies

Analogous

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



78.1100, -38.0560, 6.8720



85.0710, -6.7890, 18.4190



85.6950, 17.8770, 22.9410

Triad

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



85.0710, -6.7890, 18.4190



81.8560, 35.3960, -2.7160



66.1560, -54.0060, -23.4620

Complementary

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



85.0710, -6.7890, 18.4190



113.9290, 6.7890, -18.4190

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.



71.9990, -25.7630, -23.1950



85.0710, -6.7890, 18.4190



80.4750, 22.9270, -13.5290

Square

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



85.0710, -6.7890, 18.4190



83.0990, 39.5660, 9.8220



77.8360, 2.6170, -19.9030



68.4190, -61.7560, -15.1640

Rectangle

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



85.0710, -6.7890, 18.4190



84.2140, 29.4770, 21.9650



77.8360, 2.6170, -19.9030



64.6570, -51.1630, -25.4270

Sweetspot

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



85.0710, -6.7890, 18.4190



145.0740, -2.8440, 7.4920



100.5440, -25.0790, -2.5430



72.5640, -1.4680, 4.5800



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



85.0710, -6.7890, 18.4190



100.5410, -10.6880, 28.5120



92.2470, 7.5150, 23.5070



56.2820, -0.7340, 2.2900



25.6120, -17.4770, 46.9310



51.7510, -35.0000, 94.6960

Inverse Universe

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



93.5270, 18.2900, 20.9620



113.6520, 28.6040, 32.2840



106.7530, -7.5150, -23.5070



57.2500, 2.2920, 2.5160



47.2930, 46.5730, 53.5570



95.2980, 94.0170, 107.8490

Previews

White Background



This preview shows how the YIQ color 85.0710, -6.7890, 18.4190 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 85.0710, -6.7890, 18.4190 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 85.0710, -6.7890, 18.4190

Background



This preview shows how black text looks on a background with the YIQ color 85.0710, -6.7890, 18.4190.



This preview shows how white text looks on a background with the YIQ color 85.0710, -6.7890,

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

85.0710, -6.7890, 18.4190

Protanopia

82.6880, -24.9440, 11.5360

Deuteranopia

82.3630, -22.6510, 8.5250



Tritanopia

83.0970, -1.6510, 2.3890

Trichromacy



Original Color

85.0710, -6.7890, 18.4190

Protanomaly

83.3900, -18.1130, 14.3910

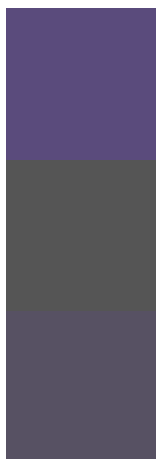
Deuteranomaly

83.4070, -16.7830, 12.3130

Tritanomaly

83.7150, -3.2110, 8.6370

Monochromacy



Original Color

85.0710, -6.7890, 18.4190

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.8460, -2.2020, 6.8700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.0710, -6.7890, 18.4190 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(90, 75, 124)` looks like.

```
.text, #text, p{  
    color:rgb(90, 75, 124)  
}
```

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(90, 75, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 75, 124) }
```

Border

The CSS property to change the border of an element to YIQ 85.0710, -6.7890, 18.4190 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(90, 75, 124) }
```


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

```
.border{ border-color:rgb(90, 75, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 75, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 75, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 75, 124);  
box-shadow:4px 4px 4px 4px rgb(90, 75,  
124) }
```

Background

The CSS property to change the background color of an element to YIQ 85.0710, -6.7890, 18.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 75, 124) }
```

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

```
.background{ background-color: rgb(90, 75,  
124) }
```

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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