

Converting Colors

YIQ(89.8210, -35.4440, 14.6040)

Have a look what the booklet for
YIQ(89.8210, -35.4440, 14.6040)
contains.

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Color

**YIQ(89.8210, -35.4440,
14.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	415A9A
RGB	65, 90, 154
RGB Percent	25%, 35%, 60%
CMY	0.7451, 0.6470, 0.3963
CMYK	0.58, 0.42, 0.00, 0.40
HSL	223°, 41%, 43%
HSV	223°, 58%, 60%
XYZ	11.6654, 10.7693, 32.0145
YIQ	89.8210, -35.4440, 14.6040

Conversions

Conversions Part 2

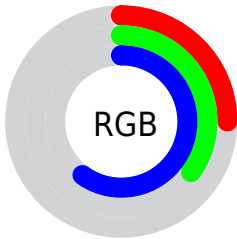
Format	Color
R _{YB}	65, 85, 154
Decimal	4283034
CIE Lab	39.19, 10.60, -37.84
CIE LCh	39, 39.294, 285.643
Yxy	10.7693, 0.2142, 0.1978
Android (android.graphics.Color)	4282473114 (0xFF415A9A)
YUV	89.8210, 31.6402, -21.7680
Hunter-Lab	32.8165, 6.0230, -34.8694

Details

The YIQ color **89.8210, -35.4440, 14.6040** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **129.1790, 35.4440, -14.6040**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.8860, -34.0690, 17.2190**, and **38.0430, -45.1170, 8.1870** is the 20% darker color. If you saturate the color by 10%, you get **78.8790, -41.3590, 17.1770**, and if you desaturate by 10%, it is **100.7630, -29.5290, 12.0310**.

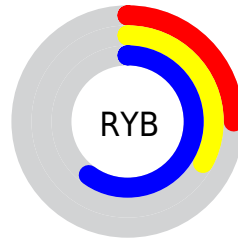
Distribution



Red (25%)

Green (35%)

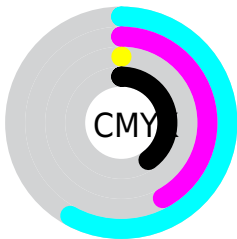
Blue (60%)



Red (25%)

Yellow (33%)

Blue (60%)

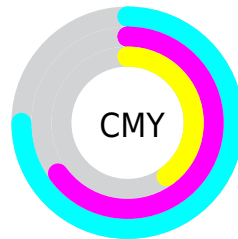


Cyan (58%)

Magenta (42%)

Yellow (0%)

Black (40%)



Cyan (75%)

Magenta (65%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.8210, -35.4440, 14.6040 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 89.8210, -35.4440, 14.6040 by changing the saturation by 10% instead.

■ 89.8210, -35.4440,
14.6040

■ 89.8210, -35.4440,
14.6040

■ 255.0000, -0.0000,
-0.0000

■ 64.6850, -38.0570,
12.3990

■ 141.8860,
-34.0690, 17.2190

■ 38.0430, -45.1170,
8.1870

■ 168.4130,
-34.1150, 18.0530

■ 23.5670, -31.9130,
11.1830

■ 194.6860,
-30.6300, 15.4660

■ 6.2700, -17.6550,
17.1050

■ 219.7930,
-21.0460, 6.9700

■ 4.8220, -10.8220,
8.9060

■ 244.9000,
-11.4620, -1.5260

■ 0.5700, -1.6050,
1.5550

■ 0.0000, 0.0000,

0.0000

■ 89.8210, -35.4440,
14.6040

■ 89.8210, -35.4440,
14.6040

■ 78.8790, -41.3590,
17.1770

■ 100.7630,
-29.5290, 12.0310

■ 67.6380, -47.8700,
19.5380

■ 112.0040,
-23.0180, 9.6700

■ 56.6960, -53.7850,
22.1110

■ 122.9460,
-17.1030, 7.0970

■ 45.4550, -60.2960,
24.4720

■ 134.1870,
-10.5920, 4.7360

■ 42.7970, -61.2590,
25.4050

■ 145.1290, -4.6770,
2.1630

■ 156.0710, 1.2380,
-0.4100

■ 167.3120, 7.7490,
-2.7710

■ 178.8410, 13.3890,
-5.8670

■ 190.0820, 19.9000,
-8.2280

Harmonies

Analogous

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



76.2560, -76.9340, -4.4060



89.8210, -35.4440, 14.6040



95.2020, 3.3880, 26.7160

Triad

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



89.8210, -35.4440, 14.6040



91.0800, 49.7450, 7.0650



71.3590, -53.5000, -32.6360

Complementary

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



89.8210, -35.4440, 14.6040



129.1790, 35.4440, -14.6040

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.



82.6340, -8.7980, -27.7900



89.8210, -35.4440, 14.6040



89.4510, 40.6700, -10.1940

Square

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



89.8210, -35.4440, 14.6040



91.4950, 47.6790, 22.4870



87.4220, 21.2780, -22.1940



75.8220, -64.6890, -22.5850

Rectangle

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



89.8210, -35.4440, 14.6040



94.7330, 23.8820, 29.7540



87.4220, 21.2780, -22.1940



73.8180, -41.6710, -32.2550

Sweetspot

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



89.8210, -35.4440, 14.6040



174.7460, -13.6640, 5.3440



124.5390, -45.0190, -26.6430



85.1010, -7.4740, 3.2940



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



89.8210, -35.4440, 14.6040



99.9240, -54.4270, 22.7330



80.8270, -17.2450, 31.7070



71.0860, -3.1180, 1.4420



38.8530, -55.6650, 23.1430



3.8300, -5.2730, 1.9510

Inverse Universe

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



94.4610, 45.0190, 26.6430



107.2950, 69.4540, 40.8620



138.1730, 17.2450, -31.7070



71.6200, 4.1260, 2.3180



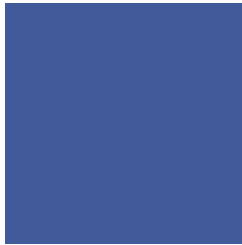
46.3060, 70.9210, 41.8090



4.3430, 6.4640, 4.0000

Previews

White Background



This preview shows how the YIQ color 89.8210, -35.4440, 14.6040 looks on a white background.

Color Contrast Check

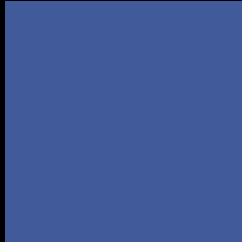
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 89.8210, -35.4440, 14.6040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

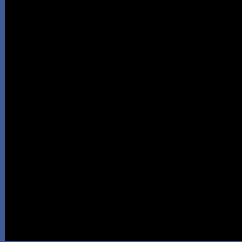
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.8210, -35.4440, 14.6040

Background



This preview shows how black text looks on a background with the YIQ color 89.8210, -35.4440, 14.6040.

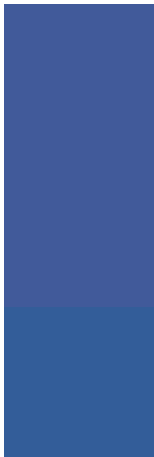


This preview shows how white text looks on a background with the YIQ color 89.8210, -35.4440,

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

89.8210, -35.4440, 14.6040

Protanopia

89.8210, -35.4440, 14.6040

Deuteranopia

87.2820, -44.2920, 9.7560



Tritanopia

84.7660, -34.7520, -8.9600

Trichromacy



Original Color

89.8210, -35.4440, 14.6040

Protanomaly

89.8210, -35.4440, 14.6040

Deuteranomaly

88.1900, -41.0370, 11.3390

Tritanomaly

86.4490, -34.9370, -0.0970

Monochromacy



Original Color

89.8210, -35.4440, 14.6040

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.9310, -12.7470, 5.2450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.8210, -35.4440, 14.6040 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(65, 90, 154)` looks like.

```
.text, #text, p{  
    color:rgb(65, 90, 154)  
}
```

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(65, 90, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 90, 154) }
```

Border

The CSS property to change the border of an element to YIQ 89.8210, -35.4440, 14.6040 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(65, 90, 154) }
```


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

```
.border{ border-color:rgb(65, 90, 154) }
```

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

Here you see how a box with a 4 pixel rgb(65, 90, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 90, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 90, 154);  
box-shadow:4px 4px 4px 4px rgb(65, 90,  
154) }
```

Background

The CSS property to change the background color of an element to YIQ 89.8210, -35.4440, 14.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 90, 154) }
```

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

```
.background{ background-color: rgb(65, 90,  
154) }
```

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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