

Converting Colors

YIQ(85.8720, -48.6490, 17.1350)

Have a look what the booklet for
YIQ(85.8720, -48.6490, 17.1350)
contains.

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Color

**YIQ(85.8720, -48.6490,
17.1350)**

Conversions

Conversions Part 1

Format	Color
Hex	3258A9
RGB	50, 88, 169
RGB Percent	20%, 35%, 66%
CMY	0.8039, 0.6548, 0.3375
CMYK	0.70, 0.48, 0.00, 0.34
HSL	221°, 54%, 43%
HSV	221°, 70%, 66%
XYZ	11.9612, 10.5221, 38.9046
YIQ	85.8720, -48.6490, 17.1350

Conversions

Conversions Part 2

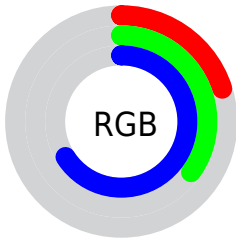
Format	Color
RYB	50, 79, 169
Decimal	3299497
CIELab	38.76, 14.51, -47.50
CIElCh	39, 49.668, 286.989
Yxy	10.5221, 0.1948, 0.1714
Android (android.graphics.Color)	4281489577 (0xFF3258A9)
YUV	85.8720, 40.9821, -31.4597
Hunter-Lab	32.4378, 9.0549, -48.4036




Details

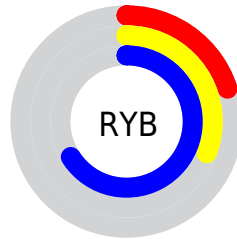
The YIQ color **85.8720, -48.6490, 17.1350** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **133.1280, 48.6490, -17.1350**, and the grayscale version is **86.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **138.9590, -44.3400, 21.6440**, and **39.0520, -49.3360, 13.0640** is the 20% darker color. If you saturate the color by 10%, you get **74.3320, -55.7560, 19.2840**, and if you desaturate by 10%, it is **97.9990, -41.8170, 14.4630**.

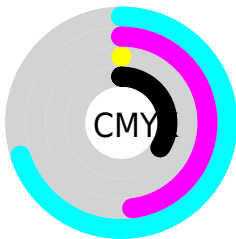
Distribution







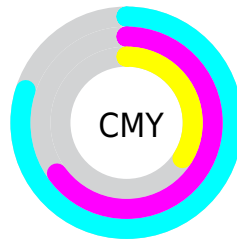
-  Red (20%)
-  Green (35%)
-  Blue (66%)






-  Red (20%)
-  Yellow (31%)
-  Blue (66%)



-  Cyan (70%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (80%)
-  Magenta (65%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.8720, -48.6490, 17.1350 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 85.8720, -48.6490, 17.1350 by changing the saturation by 10% instead.

■ 85.8720, -48.6490,
17.1350

■ 85.8720, -48.6490,
17.1350

■ 255.0000, -0.0000,
-0.0000

■ 54.6420, -62.8610,
10.3790

■ 138.9590,
-44.3400, 21.6440

■ 39.0520, -49.3360,
13.0640

■ 166.7850,
-43.7900, 22.6900

■ 24.4620, -35.8110,
15.7490

■ 191.4190,
-34.2520, 15.0280

■ 7.6380, -21.5070,
20.8370

■ 215.9390,
-24.3930, 7.0550

■ 6.7770, -14.9490,
12.1150

■ 241.6330,
-15.0840, -1.9640

■ 3.0950, -7.3370,
6.3190

■ 0.0000, 0.0000,

0.0000

■ 85.8720, -48.6490,
17.1350

■ 85.8720, -48.6490,
17.1350

■ 74.3320, -55.7560,
19.2840

■ 97.9990, -41.8170,
14.4630

■ 62.2050, -62.5880,
21.9560

■ 109.5390,
-34.7100, 12.3140

■ 50.9640, -69.0990,
24.3170

■ 121.0790,
-27.6030, 10.1650

■ 133.2060,
-20.7710, 7.4930

■ 144.4470,
-14.2600, 5.1320

■ 156.5740, -7.4280,
2.4600

■ 168.1140, -0.3210,
0.3110

■ 180.2410, 6.5110,
-2.3610

■ 191.7810, 13.6180,
-4.5100

Harmonies

Analogous

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



78.6670, -82.3450, 0.0470



85.8720, -48.6490, 17.1350



94.0270, 5.6790, 34.7590

Triad

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



85.8720, -48.6490, 17.1350



87.0660, 61.5280, 8.2800



72.1910, -53.0870, -34.6150

Complementary

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



85.8720, -48.6490, 17.1350



133.1280, 48.6490, -17.1350

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.



76.5310, -16.1780, -37.2180



85.8720, -48.6490, 17.1350



86.0960, 51.6750, -16.9090

Square

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



85.8720, -48.6490, 17.1350



86.0670, 60.9280, 30.1760



82.9630, 26.6440, -31.3400



77.5660, -66.8440, -22.0760

Rectangle

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



85.8720, -48.6490, 17.1350



91.2490, 31.5370, 39.7050



82.9630, 26.6440, -31.3400



70.0080, -48.3180, -38.4460

Sweetspot

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



85.8720, -48.6490, 17.1350



187.0490, -18.8910, 6.4610



128.8590, -58.0840, -37.6680



90.4750, -11.4630, 4.0010



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



85.8720, -48.6490, 17.1350



90.6090, -75.2890, 26.3670



69.5460, -26.2790, 41.2490



78.0860, -3.1180, 1.4420



44.4610, -60.4330, 21.4470



6.3890, -8.3450, 2.5590

Inverse Universe

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



89.9130, 58.7260, 37.0460



96.7420, 90.7250, 57.3570



149.4540, 26.2790, -41.2490



78.6200, 4.1260, 2.3180



49.6100, 73.1210, 45.9930



6.7780, 9.6730, 6.4170

Previews

White Background



This preview shows how the YIQ color 85.8720, -48.6490, 17.1350 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 85.8720, -48.6490, 17.1350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

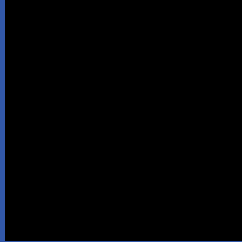
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.8720, -48.6490, 17.1350

Background



This preview shows how black text looks on a background with the YIQ color 85.8720, -48.6490, 17.1350.



This preview shows how white text looks on a background with the YIQ color 85.8720, -48.6490,

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

85.8720, -48.6490, 17.1350

Protanopia

85.5730, -49.2450, 16.9230

Deuteranopia

73.1730, -77.8980, 2.0540



Tritanopia

71.7130, -62.7640, -18.9240

Trichromacy



Original Color

85.8720, -48.6490, 17.1350

Protanomaly

85.5730, -49.2450, 16.9230

Deuteranomaly

77.6090, -67.2620, 7.5380

Tritanomaly

76.6680, -57.7230, -5.6510

Monochromacy



Original Color

85.8720, -48.6490, 17.1350

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.1200, -17.6530, 6.0510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.8720, -48.6490, 17.1350 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(50, 88, 169)` looks like.

```
.text, #text, p{  
    color:rgb(50, 88, 169)  
}
```

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(50, 88, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 88, 169) }
```

Border

The CSS property to change the border of an element to YIQ 85.8720, -48.6490, 17.1350 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(50, 88, 169) }
```


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

```
.border{ border-color:rgb(50, 88, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 88, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 88, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 88, 169);  
box-shadow:4px 4px 4px 4px rgb(50, 88,  
169) }
```

Background

The CSS property to change the background color of an element to YIQ 85.8720, -48.6490, 17.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 88, 169) }
```

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

```
.background{ background-color: rgb(50, 88,  
169) }
```

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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