

Converting Colors

YIQ(118.0810, -48.2800, 4.9360)

Have a look what the booklet for
YIQ(118.0810, -48.2800, 4.9360)
contains.

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Color

**YIQ(118.0810, -48.2800,
4.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	4B80B4
RGB	75, 128, 180
RGB Percent	29%, 50%, 71%
CMY	0.7060, 0.4979, 0.2943
CMYK	0.58, 0.29, 0.00, 0.29
HSL	210°, 41%, 50%
HSV	210°, 58%, 71%
XYZ	18.8541, 20.2320, 46.0599
YIQ	118.0810, -48.2800, 4.9360

Conversions

Conversions Part 2

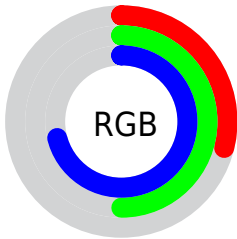
Format	Color
R_{YB}	75, 110, 180
Decimal	4948148
CIE _{Lab}	52.10, -1.92, -32.72
CIE _{LCh}	52, 32.781, 266.634
Yxy	20.2320, 0.2214, 0.2376
Android (android.graphics.Color)	4283138228 (0xFF4B80B4)
YUV	118.0810, 30.5261, -37.7820
Hunter-Lab	44.9800, -3.8938, -29.2275

Details

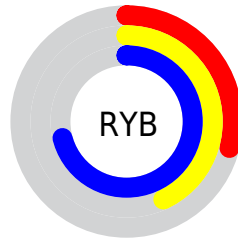
The YIQ color **118.0810, -48.2800, 4.9360** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **136.9190, 48.2800, -4.9360**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **172.3200, -47.4550, 6.5050**, and **60.8510, -62.4920, -1.8200** is the 20% darker color. If you saturate the color by 10%, you get **107.4160, -56.5330, 5.8270**, and if you desaturate by 10%, it is **128.7460, -40.0270, 4.0450**.

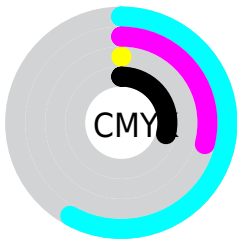
Distribution



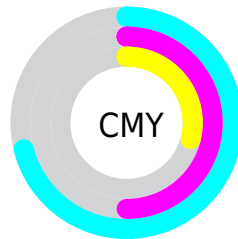
- Red (29%)
- Green (50%)
- Blue (71%)



- Red (29%)
- Yellow (43%)
- Blue (71%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 118.0810, -48.2800, 4.9360 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 118.0810, -48.2800, 4.9360 by changing the saturation by 10% instead.

■ 118.0810,
-48.2800, 4.9360

■ 118.0810,
-48.2800, 4.9360

■ 255.0000, -0.0000,
-0.0000

■ 91.3580, -50.6180,
3.2540

■ 172.3200,
-47.4550, 6.5050

■ 60.8510, -62.4920,
-1.8200

■ 199.0060,
-43.6950, 4.4410

■ 45.0870, -48.4170,
1.9110

■ 223.8140,
-34.7070, -4.2670

■ 29.3230, -34.3420,
5.6420

■ 243.6380,
-22.6480, -8.0560

■ 13.7870, -20.9090,
9.9950

■ 252.6080, -4.7680,
-1.6960

■ 4.8220, -10.8220,
8.9060

■ 0.5700, -1.6050,

1.5550

■ 0.0000, 0.0000,
0.0000

■ 118.0810,
-48.2800, 4.9360

■ 118.0810,
-48.2800, 4.9360

■ 107.4160,
-56.5330, 5.8270

■ 128.7460,
-40.0270, 4.0450

■ 96.7510, -64.7860,
6.7180

■ 139.4110,
-31.7740, 3.1540

■ 86.0860, -73.0390,
7.6090

■ 150.0760,
-23.5210, 2.2630

■ 75.4210, -81.2920,
8.5000

■ 160.7410,
-15.2680, 1.3720

■ 73.9370, -82.8050,
8.3870

■ 171.4060, -7.0150,
0.4810

■ 181.4840, 1.5130,
0.1130

■ 192.1490, 9.7660,
-0.7780

■ 202.8140, 18.0190,
-1.6690

■ 213.4790, 26.2720,
-2.5600

Harmonies

Analogous

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



98.6250, -91.6950, -17.7350



118.0810, -48.2800, 4.9360



125.5800, -15.5920, 18.2640

Triad

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



118.0810, -48.2800, 4.9360



125.7840, 45.0670, 14.7550



115.1370, -17.4640, -24.9200

Complementary

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



118.0810, -48.2800, 4.9360



136.9190, 48.2800, -4.9360

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.



119.6150, 10.5490, -20.4830



118.0810, -48.2800, 4.9360



124.5690, 43.6940, 1.0860

Square

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



118.0810, -48.2800, 4.9360



126.9050, 34.8410, 23.8730



122.7210, 31.0420, -11.9180



107.2330, -52.9050, -26.8970

Rectangle

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



118.0810, -48.2800, 4.9360



127.6920, 4.7640, 23.8040



122.7210, 31.0420, -11.9180



116.7530, -7.5150, -23.5070

Sweetspot

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



118.0810, -48.2800, 4.9360



211.3000, -18.3400, 1.9800



142.4490, -45.2460, -39.0540



103.6660, -10.6830, 0.8770



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

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



118.0810, -48.2800, 4.9360



137.5310, -75.7900, 7.9060



88.1440, -34.2550, 31.6090



83.9610, -4.2640, 0.1840



62.6410, -70.2880, 7.3120



10.5950, -11.9210, 1.2870

Inverse Universe

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



112.4370, 45.5670, 38.7430



128.7970, 71.6970, 60.7930



166.8560, 34.2550, -31.6090



83.2610, 3.7590, 3.4630



54.5250, 66.4710, 56.3830



9.2560, 11.3230, 9.5550

Previews

White Background



This preview shows how the YIQ color 118.0810, -48.2800, 4.9360 looks on a white 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

Black Background



This preview shows how the YIQ color 118.0810, -48.2800, 4.9360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

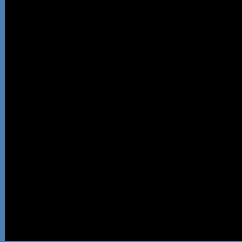
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 118.0810, -48.2800, 4.9360

Background



This preview shows how black text looks on a background with the YIQ color 118.0810, -48.2800, 4.9360.

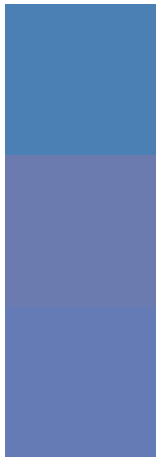


This preview shows how white text looks on a background with the YIQ color 118.0810, -48.2800,

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

118.0810, -48.2800, 4.9360

Protanopia

123.5570, -25.9530, 13.3030

Deuteranopia

122.7350, -32.3260, 13.1620



Tritanopia

114.0140, -47.3140, -12.5780

Trichromacy



Original Color

118.0810, -48.2800, 4.9360

Protanomaly

121.3710, -34.2970, 10.3350

Deuteranomaly

121.2180, -38.2400, 10.2080

Tritanomaly

115.2300, -47.6820, -5.9060

Monochromacy



Original Color

118.0810, -48.2800, 4.9360

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.1860, -18.0190, 1.6690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 118.0810, -48.2800, 4.9360 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(75, 128, 180)` looks like.

```
.text, #text, p{  
    color:rgb(75, 128, 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(75, 128, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 180) }
```

Border

The CSS property to change the border of an element to YIQ 118.0810, -48.2800, 4.9360 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(75, 128, 180) }
```


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

```
.border{ border-color:rgb(75, 128, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 128, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 180);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
180) }
```

Background

The CSS property to change the background color of an element to YIQ 118.0810, -48.2800, 4.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 180) }
```

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

```
.background{ background-color: rgb(75, 128,  
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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