

Converting Colors

YIQ(109.7400, -47.9170,
25.8990)

Have a look what the booklet for
YIQ(109.7400, -47.9170, 25.8990)
contains.

YIQ(109.7400, -47.9170, 25.8990)	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(109.7400, -47.9170,
25.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	506ACF
RGB	80, 106, 207
RGB Percent	31%, 42%, 81%
CMY	0.6862, 0.5843, 0.1885
CMYK	0.61, 0.49, 0.00, 0.19
HSL	228°, 57%, 56%
HSV	228°, 61%, 81%
XYZ	19.7176, 16.5175, 61.1366
YIQ	109.7400, -47.9170, 25.8990

Conversions

Conversions Part 2

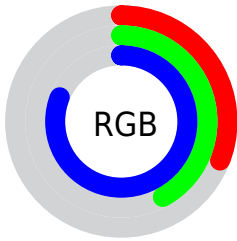
Format	Color
R _{YB}	80, 102, 207
Decimal	5270223
CIE _{Lab}	47.65, 21.65, -55.26
CIE _{LCh}	48, 59.353, 291.395
Yxy	16.5175, 0.2025, 0.1696
Android (android.graphics.Color)	4283460303 (0xFF506ACF)
YUV	109.7400, 47.9492, -26.0820
Hunter-Lab	40.6417, 15.4773, -60.7396

Details

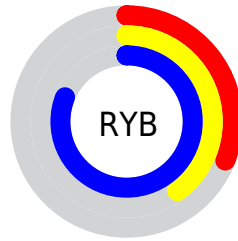
The YIQ color **109.7400, -47.9170, 25.8990** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **177.2600, 47.9170, -25.8990**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.0890, -41.5900, 26.8740**, and **51.9610, -65.0170, 16.4150** is the 20% darker color. If you saturate the color by 10%, you get **94.0690, -56.0330, 29.8150**, and if you desaturate by 10%, it is **125.4110, -39.8010, 21.9830**.

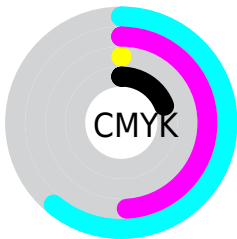
Distribution



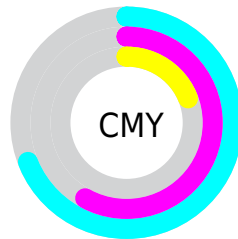
- Red (31%)
- Green (42%)
- Blue (81%)



- Red (31%)
- Yellow (40%)
- Blue (81%)



- Cyan (61%)
- Magenta (49%)
- Yellow (0%)
- Black (19%)



- Cyan (69%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.7400, -47.9170, 25.8990 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 109.7400, -47.9170, 25.8990 by changing the saturation by 10% instead.

■ 109.7400,
-47.9170, 25.8990

■ 109.7400,
-47.9170, 25.8990

■ 255.0000, -0.0000,
-0.0000

■ 82.2940, -52.5930,
22.5350

■ 163.0890,
-41.5900, 26.8740

■ 52.5480, -65.2920,
15.8920

■ 187.6090,
-31.7310, 18.9010

■ 37.1430, -50.8500,
18.4780

■ 212.1290,
-21.8720, 10.9280

■ 23.1400, -37.6000,
20.6400

■ 238.1220,
-11.9670, 2.1210

■ 8.5500, -24.0750,
23.3250

■ 8.1620, -17.4710,
13.7690

■ 4.4800, -9.8590,

7.9730

■ 0.0000, 0.0000,
0.0000

■ 109.7400,
-47.9170, 25.8990

■ 109.7400,
-47.9170, 25.8990

■ 94.0690, -56.0330,
29.8150

■ 125.4110,
-39.8010, 21.9830

■ 78.1100, -63.2780,
34.4660

■ 141.3700,
-32.5560, 17.3320

■ 62.4390, -71.3940,
38.3820

■ 157.0410,
-24.4400, 13.4160

■ 48.2520, -77.9970,
42.4110

■ 173.2990,
-16.5990, 8.9770

■ 188.6710, -9.0790,
4.8490

■ 204.9290, -1.2380,
0.4100

■ 220.6000, 6.8780,
-3.5060

■ 236.8580, 14.7190,
-7.9450

■ 248.9410, 15.6830,
-14.4050

Harmonies

Analogous

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



96.3690, -101.8770, 1.6030



109.7400, -47.9170, 25.8990



115.7390, 15.7180, 45.5580

Triad

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



109.7400, -47.9170, 25.8990



107.9010, 75.0540, 5.4380



90.1890, -67.9410, -40.7490

Complementary

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



109.7400, -47.9170, 25.8990



177.2600, 47.9170, -25.8990

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.



89.8120, -33.5070, -48.0590



109.7400, -47.9170, 25.8990



106.4740, 59.0580, -24.0620

Square

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



109.7400, -47.9170, 25.8990



106.2000, 76.7910, 34.5430



101.5250, 27.5170, -41.6590



96.7040, -84.9080, -25.1000

Rectangle

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



109.7400, -47.9170, 25.8990



111.5870, 45.5650, 49.7970



101.5250, 27.5170, -41.6590



87.6640, -62.2090, -45.5130

Sweetspot

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



109.7400, -47.9170, 25.8990



220.1140, -17.5160, 9.0760



165.8350, -66.7040, -35.6320



105.8280, -10.9590, 5.8810



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



109.7400, -47.9170, 25.8990



110.4390, -71.3940, 38.3820



105.2420, -19.3110, 47.1290



96.4280, -4.0810, 2.3750



39.1100, -63.2780, 34.4660



9.3700, -15.3610, 8.5670

Inverse Universe

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



120.9370, 67.3460, 35.0100



126.9570, 100.1250, 52.1970



181.7580, 19.3110, -47.1290



97.5170, 5.9140, 2.9540



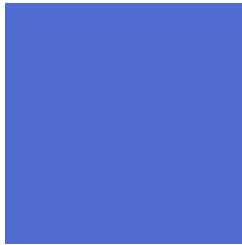
54.1080, 89.2140, 46.1900



13.1710, 21.8680, 11.1800

Previews

White Background



This preview shows how the YIQ color 109.7400, -47.9170, 25.8990 looks on a white background.

Color Contrast Check

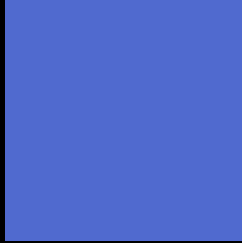
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.7400, -47.9170, 25.8990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

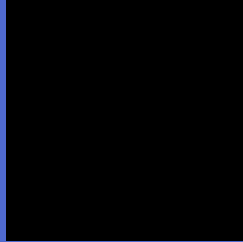
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.7400, -47.9170, 25.8990

Background



This preview shows how black text looks on a background with the YIQ color 109.7400, -47.9170, 25.8990.



This preview shows how white text looks on a background with the YIQ color 109.7400, -47.9170,

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

109.7400, -47.9170, 25.8990

Protanopia

105.5640, -62.2210, 20.8110

Deuteranopia

90.6470, -96.7880, 2.9880



Tritanopia

100.5190, -50.2940, -13.6380

Trichromacy



Original Color

109.7400, -47.9170, 25.8990

Protanomaly

107.2550, -56.8570, 22.7190

Deuteranomaly

97.6710, -79.0000, 11.0160

Tritanomaly

103.9620, -49.5630, 0.6530

Monochromacy



Original Color

109.7400, -47.9170, 25.8990

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

110.1140, -17.5160, 9.0760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.7400, -47.9170, 25.8990 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(80, 106, 207)` looks like.

```
.text, #text, p{  
    color:rgb(80, 106, 207)  
}
```

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(80, 106, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 106, 207) }
```

Border

The CSS property to change the border of an element to YIQ 109.7400, -47.9170, 25.8990 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(80, 106, 207) }
```


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

```
.border{ border-color:rgb(80, 106, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 106, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 106, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 106, 207);  
box-shadow:4px 4px 4px 4px rgb(80, 106,  
207) }
```

Background

The CSS property to change the background color of an element to YIQ 109.7400, -47.9170, 25.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 106, 207) }
```

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

```
.background{ background-color: rgb(80, 106,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor