

Converting Colors

YIQ(119.1510, -45.3010,
11.5230)

Have a look what the booklet for
YIQ(119.1510, -45.3010, 11.5230)
contains.

| | |
|--|----|
| YIQ(119.1510, -45.3010, 11.5230) | 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(119.1510, -45.3010,
11.5230)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 537CBD |
| RGB | 83, 124, 189 |
| RGB Percent | 33%, 49%, 74% |
| CMY | 0.6745, 0.5137, 0.2591 |
| CMYK | 0.56, 0.34, 0.00, 0.26 |
| HSL | 217°, 45%, 53% |
| HSV | 217°, 56%, 74% |
| XYZ | 19.9548, 19.9296, 50.9058 |
| YIQ | 119.1510, -45.3010, 11.5230 |

Conversions

Conversions Part 2

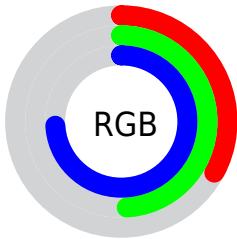
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 83, 113, 189 |
| Decimal | 5471421 |
| CIE Lab | 51.76, 5.11, -38.40 |
| CIE LCh | 52, 38.742, 277.583 |
| Yxy | 19.9296, 0.2198, 0.2195 |
| Android (android.graphics.Color) | 4283661501 (0xFF537CBD) |
| YUV | 119.1510, 34.4356, -31.7044 |
| Hunter-Lab | 44.6426, 1.6632, -36.3584 |

Details

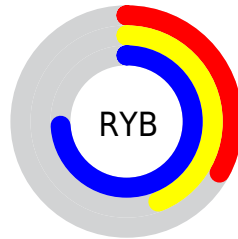
The YIQ color **119.1510, -45.3010, 11.5230** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **152.8490, 45.3010, -11.5230**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.9170, -44.5220, 13.9260**, and **64.4870, -55.2950, 5.4170** is the 20% darker color. If you saturate the color by 10%, you get **106.4260, -53.3250, 13.7710**, and if you desaturate by 10%, it is **131.8760, -37.2770, 9.2750**.

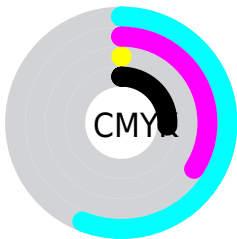
Distribution



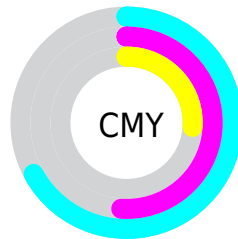
- Red (33%)
- Green (49%)
- Blue (74%)



- Red (33%)
- Yellow (44%)
- Blue (74%)



- Cyan (56%)
- Magenta (34%)
- Yellow (0%)
- Black (26%)



- Cyan (67%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 119.1510, -45.3010, 11.5230 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 119.1510, -45.3010, 11.5230 by changing the saturation by 10% instead.

■ 119.1510,
-45.3010, 11.5230

■ 119.1510,
-45.3010, 11.5230

■ 255.0000, -0.0000,
-0.0000

■ 92.4280, -47.6390,
9.8410

■ 172.9170,
-44.5220, 13.9260

■ 64.4870, -55.2950,
5.4170

■ 199.0500,
-37.8270, 8.2290

■ 43.6510, -49.8850,
6.4910

■ 223.8580,
-28.8390, -0.4790

■ 29.0610, -36.3600,
9.1760

■ 246.3290,
-17.2840, -6.1480

■ 11.6500, -21.7810,
14.7870

■ 6.2070, -13.3440,
10.5600

■ 2.4110, -5.4110,

4.4530

■ 0.0000, 0.0000,
0.0000

■ 119.1510,
-45.3010, 11.5230

■ 119.1510,
-45.3010, 11.5230

■ 106.4260,
-53.3250, 13.7710

■ 131.8760,
-37.2770, 9.2750

■ 94.2880, -61.6240,
15.4960

■ 144.0140,
-28.9780, 7.5500

■ 81.5630, -69.6480,
17.7440

■ 156.7390,
-20.9540, 5.3020

■ 69.4250, -77.9470,
19.4690

■ 168.8770,
-12.6550, 3.5770

■ 64.3970, -80.7440,
20.6000

■ 181.3030, -5.2270,
1.1170

■ 193.4410, 3.0720,
-0.6080

■ 206.1660, 11.0960,
-2.8560

■ 218.8910, 19.1200,
-5.1040

■ 231.0290, 27.4190,
-6.8290

Harmonies

Analogous

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



99.6340, -95.9140, -12.8580



119.1510, -45.3010, 11.5230



126.1840, -5.3690, 25.7270

Triad

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



119.1510, -45.3010, 11.5230



123.3950, 53.4120, 12.1960



107.9110, -37.4990, -30.7710

Complementary

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



119.1510, -45.3010, 11.5230



152.8490, 45.3010, -11.5230

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.



115.8370, 0.8760, -26.9000



119.1510, -45.3010, 11.5230



122.4350, 46.7670, -5.0490

Square

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



119.1510, -45.3010, 11.5230



125.1900, 47.2200, 25.3000



119.4230, 28.7050, -19.1270



97.1140, -80.5510, -32.4790

Rectangle

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



119.1510, -45.3010, 11.5230



127.0250, 17.1880, 29.9240



119.4230, 28.7050, -19.1270



111.5660, -23.2860, -29.5420

Sweetspot

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



119.1510, -45.3010, 11.5230



217.1800, -17.8820, 4.6940



152.5180, -49.6940, -35.5340



106.0190, -10.1790, 2.7570



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



119.1510, -45.3010, 11.5230



136.6770, -69.9690, 18.0550



98.3730, -27.4700, 35.2980



88.3740, -3.9890, 0.7070



53.8190, -67.4930, 17.2350



10.5780, -13.2510, 3.3650

Inverse Universe

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



119.3680, 50.0150, 35.2230



137.2180, 77.5210, 54.3610



173.6270, 27.4700, -35.2980



88.1470, 4.0800, 3.1520



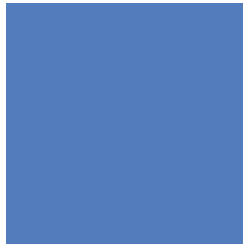
54.1960, 74.5870, 52.4670



10.6370, 14.6240, 10.3040

Previews

White Background



This preview shows how the YIQ color 119.1510, -45.3010, 11.5230 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 119.1510, -45.3010, 11.5230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

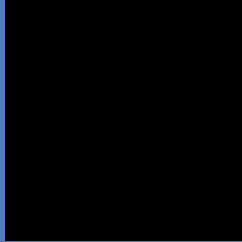
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 119.1510, -45.3010, 11.5230

Background



This preview shows how black text looks on a background with the YIQ color 119.1510, -45.3010, 11.5230.

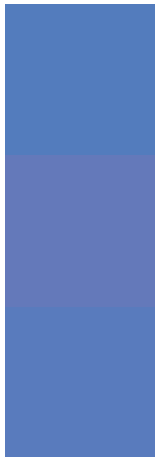


This preview shows how white text looks on a background with the YIQ color 119.1510, -45.3010,

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

119.1510, -45.3010, 11.5230

Protanopia

122.1310, -33.3810, 15.7630

Deuteranopia

120.3580, -41.4500, 13.3180



Tritanopia

114.2210, -43.4630, -10.7830

Trichromacy



Original Color

119.1510, -45.3010, 11.5230

Protanomaly

121.0380, -37.5530, 14.2790

Deuteranomaly

119.7600, -42.6420, 12.8940

Tritanomaly

116.0780, -44.1980, -2.9660

Monochromacy



Original Color

119.1510, -45.3010, 11.5230

Achromatopsia

119.0000, -0.0000, 0.0000

Achromatomaly

119.1370, -16.3230, 3.9730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 119.1510, -45.3010, 11.5230 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(83, 124, 189)` looks like.

```
.text, #text, p{  
    color:rgb(83, 124, 189)  
}
```

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(83, 124, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 124, 189) }
```

Border

The CSS property to change the border of an element to YIQ 119.1510, -45.3010, 11.5230 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(83, 124, 189) }
```


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

```
.border{ border-color:rgb(83, 124, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 124, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 124, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 124, 189);  
box-shadow:4px 4px 4px 4px rgb(83, 124,  
189) }
```

Background

The CSS property to change the background color of an element to YIQ 119.1510, -45.3010, 11.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 124, 189) }
```

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

```
.background{ background-color: rgb(83, 124,  
189) }
```

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