

# Converting Colors

YIQ(118.1500, -17.1970,  
19.8190)

Have a look what the booklet for  
YIQ(118.1500, -17.1970, 19.8190)  
contains.

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# Color

**YIQ(118.1500, -17.1970,  
19.8190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	726EAB
RGB	114, 110, 171
RGB Percent	45%, 43%, 67%
CMY	0.5529, 0.5686, 0.3295
CMYK	0.33, 0.36, 0.00, 0.33
HSL	244°, 27%, 55%
HSV	244°, 36%, 67%
XYZ	19.8646, 17.6689, 40.8768
YIQ	118.1500, -17.1970, 19.8190

# Conversions

## Conversions Part 2

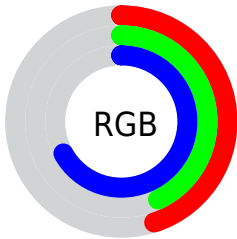
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 110, 171
Decimal	7499435
CIE <sub>Lab</sub>	49.09, 16.15, -32.05
CIE <sub>LCh</sub>	49, 35.892, 296.748
Yxy	17.6689, 0.2533, 0.2253
Android (android.graphics.Color)	4285689515 (0xFF726EAB)
YUV	118.1500, 26.0551, -3.6395
Hunter-Lab	42.0344, 10.7955, -28.2331

# Details

The YIQ color **118.1500, -17.1970, 19.8190** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **162.8500, 17.1970, -19.8190**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **171.2040, -17.2890, 21.4870**, and **68.6830, -17.3800, 17.6280** is the 20% darker color. If you saturate the color by 10%, you get **103.3870, -22.0580, 25.3180**, and if you desaturate by 10%, it is **132.9130, -12.3360, 14.3200**.

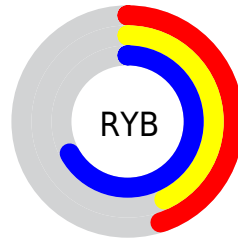
# Distribution



Red (45%)

Green (43%)

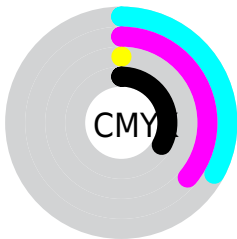
Blue (67%)



Red (45%)

Yellow (43%)

Blue (67%)

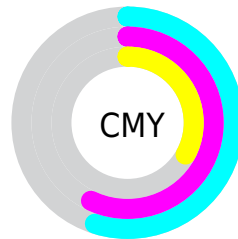


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (57%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.1500, -17.1970, 19.8190 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 118.1500, -17.1970, 19.8190 by changing the saturation by 10% instead.



■ 118.1500,  
-17.1970, 19.8190

■ 118.1500,  
-17.1970, 19.8190

■ 255.0000, -0.0000,  
-0.0000

■ 93.2100, -17.4260,  
18.4620

■ 171.2040,  
-17.2890, 21.4870

■ 68.6830, -17.3800,  
17.6280

■ 198.3180,  
-17.6100, 21.7980

■ 46.0310, -18.4800,  
15.5360

■ 222.8380, -7.7510,  
13.8250

■ 22.8840, -22.5600,  
12.3840

■ 248.5320, 1.5580,  
4.8060

■ 5.3580, -15.0870,  
14.6170

■ 3.4370, -8.3000,  
7.2520

■ 0.0000, 0.0000,

0.0000

■ 118.1500,  
-17.1970, 19.8190

■ 118.1500,  
-17.1970, 19.8190

■ 103.3870,  
-22.0580, 25.3180

■ 132.9130,  
-12.3360, 14.3200

■ 88.6240, -26.9190,  
30.8170

■ 147.6760, -7.4750,  
8.8210

■ 73.8610, -31.7800,  
36.3160

■ 162.4390, -2.6140,  
3.3220

■ 59.0980, -36.6410,  
41.8150

■ 177.2020, 2.2470,  
-2.1770

■ 44.3350, -41.5020,  
47.3140

■ 191.9650, 7.1080,  
-7.6760

■ 28.9850, -46.0880,  
53.3360

■ 207.3150, 11.6940,  
-13.6980

■ 22.7830, -48.3350,  
55.5130

■ 222.0780, 16.5550,  
-19.1970

■ 236.8410, 21.4160,  
-24.6960

■ 245.4240, 26.9640,  
-26.1240

# Harmonies

## Analogous

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



108.2480, -56.1200, 3.8480



118.1500, -17.1970, 19.8190



120.3620, 14.6210, 26.8850

# Triad

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



118.1500, -17.1970, 19.8190



116.2380, 46.1240, 1.1000



90.2520, -72.2520, -34.2040

# Complementary

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



118.1500, -17.1970, 19.8190



162.8500, 17.1970, -19.8190

# 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.



106.3000, -19.4810, -26.9130



118.1500, -17.1970, 19.8190



114.4500, 33.2430, -13.2610

# Square

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



118.1500, -17.1970, 19.8190



117.5780, 48.6430, 16.0270



111.4470, 10.9620, -22.4620



93.7860, -82.2030, -24.5630



# Rectangle

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



118.1500, -17.1970, 19.8190



119.1590, 31.3100, 27.2940



111.4470, 10.9620, -22.4620



99.2890, -47.3110, -29.1590

# Sweetspot

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



118.1500, -17.1970, 19.8190



200.4480, -6.8330, 8.1990



151.0000, -35.5310, -11.3630



99.8950, -3.8980, 4.5660



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



118.1500, -17.1970, 19.8190



139.0370, -26.6440, 31.3400



127.1200, 0.6830, 26.1790



79.3250, -2.2930, 3.0110



20.0900, -42.1900, 48.7700



3.2200, -6.1910, 7.5770



# Inverse Universe

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



134.7370, 18.0590, 30.6590



164.9640, 28.3260, 48.3420



153.8800, -0.6830, -26.1790



81.6030, 2.7960, 4.3960



60.9240, 44.1390, 75.6510



9.2710, 6.9670, 11.4070



# Previews

## White Background



This preview shows how the YIQ color 118.1500, -17.1970, 19.8190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

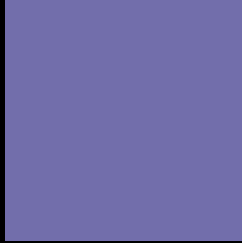
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 118.1500, -17.1970, 19.8190 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 118.1500, -17.1970, 19.8190

## Background



This preview shows how black text looks on a background with the YIQ color 118.1500, -17.1970, 19.8190.



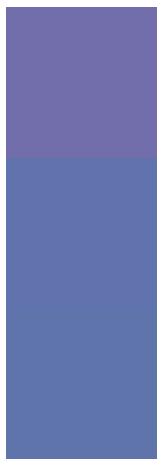
This preview shows how white text looks on a background with the YIQ color 118.1500, -17.1970,



# 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

118.1500, -17.1970, 19.8190

### Protanopia

116.1590, -30.5840, 14.6320

### Deuteranopia

115.8770, -29.8500, 12.3420



## Tritanopia

115.8400, -11.2330, -0.1690

# Trichromacy



## Original Color

118.1500, -17.1970, 19.8190

## Protanomaly

116.9640, -25.5410, 16.8510

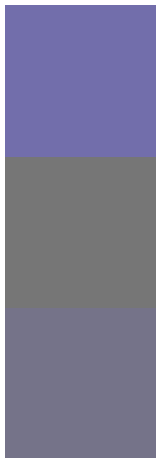
## Deuteranomaly

116.7960, -25.1280, 14.8720

## Tritanomaly

116.8000, -13.7560, 7.0120

# Monochromacy



## Original Color

118.1500, -17.1970, 19.8190

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

118.1060, -5.8700, 7.2660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.1500, -17.1970, 19.8190 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(114, 110, 171)` looks like.

```
.text, #text, p{  
    color:rgb(114, 110, 171)  
}
```

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(114, 110, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 110, 171) }
```

## Border

The CSS property to change the border of an element to YIQ 118.1500, -17.1970, 19.8190 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(114, 110, 171) }
```



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

```
.border{ border-color:rgb(114, 110, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 110, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 110, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 110, 171);  
box-shadow:4px 4px 4px 4px rgb(114, 110,  
171) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.1500, -17.1970, 19.8190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 110, 171) }
```

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

```
.background{ background-color: rgb(114,  
110, 171) }
```

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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