

# Converting Colors

YIQ(115.6880, -34.1120, 1.4720)

Have a look what the booklet for  
YIQ(115.6880, -34.1120, 1.4720)  
contains.

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# Color

**YIQ(115.6880, -34.1120,  
1.4720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	547C9C
RGB	84, 124, 156
RGB Percent	33%, 49%, 61%
CMY	0.6707, 0.5137, 0.3884
CMYK	0.46, 0.20, 0.00, 0.39
HSL	207°, 30%, 47%
HSV	207°, 46%, 61%
XYZ	16.8615, 18.7024, 34.1556
YIQ	115.6880, -34.1120, 1.4720

# Conversions

## Conversions Part 2

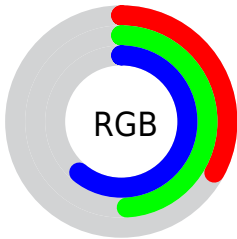
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 110, 156
Decimal	5536924
CIE <sub>Lab</sub>	50.34, -4.99, -21.52
CIE <sub>LCh</sub>	50, 22.090, 256.944
Yxy	18.7024, 0.2418, 0.2683
Android (android.graphics.Color)	4283727004 (0xFF547C9C)
YUV	115.6880, 19.8738, -27.7904
Hunter-Lab	43.2463, -6.0847, -16.5544

# Details

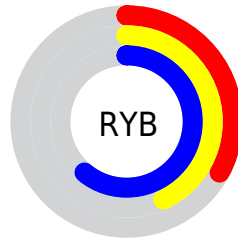
The YIQ color **115.6880, -34.1120, 1.4720** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **124.3120, 34.1120, -1.4720**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.3290, -34.4790, 2.6170**, and **64.9650, -36.4500, -0.2100** is the 20% darker color. If you saturate the color by 10%, you get **106.7950, -41.7230, 1.7410**, and if you desaturate by 10%, it is **124.5810, -26.5010, 1.2030**.

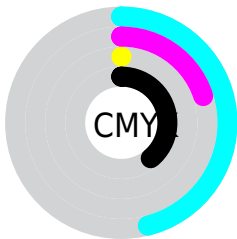
# Distribution



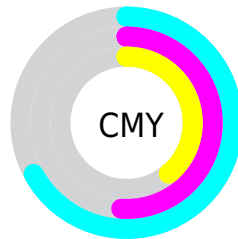
- Red (33%)
- Green (49%)
- Blue (61%)



- Red (33%)
- Yellow (43%)
- Blue (61%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (67%)
- Magenta (51%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 115.6880, -34.1120, 1.4720 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 115.6880, -34.1120, 1.4720 by changing the saturation by 10% instead.



■ 115.6880,  
-34.1120, 1.4720

■ 115.6880,  
-34.1120, 1.4720

■ 255.0000, -0.0000,  
-0.0000

■ 90.2750, -34.3870,  
0.9490

■ 168.3290,  
-34.4790, 2.6170

■ 64.9650, -36.4500,  
-0.2100

■ 196.0300,  
-35.0750, 2.4050

■ 40.2310, -40.2550,  
-2.8390

■ 222.6620,  
-31.2230, -1.3270

■ 25.2820, -27.0970,  
0.9910

■ 244.8340,  
-20.2640, -7.2080

■ 7.0390, -12.9310,  
8.5810

■ 253.5050, -2.9800,  
-1.0600

■ 1.3680, -3.8520,  
3.7320

■ 0.0000, 0.0000,

0.0000

■ 115.6880,  
-34.1120, 1.4720

■ 115.6880,  
-34.1120, 1.4720

■ 106.7950,  
-41.7230, 1.7410

■ 124.5810,  
-26.5010, 1.2030

■ 98.2010, -48.7380,  
2.2220

■ 133.1750,  
-19.4860, 0.7220

■ 89.3080, -56.3490,  
2.4910

■ 142.0680,  
-11.8750, 0.4530

■ 80.7140, -63.3640,  
2.9720

■ 150.6620, -4.8600,  
-0.0280

■ 71.8210, -70.9750,  
3.2410

■ 159.5550, 2.7510,  
-0.2970

■ 68.8530, -74.0010,  
3.0150

■ 168.4480, 10.3620,  
-0.5660

■ 176.4550, 17.6520,  
-0.5240

■ 185.3480, 25.2630,  
-0.7930

■ 193.9420, 32.2780,  
-1.2740

# Harmonies

## Analogous

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



111.0300, -44.2430, -7.6590



115.6880, -34.1120, 1.4720



120.2390, -16.3700, 10.3340

# Triad

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



115.6880, -34.1120, 1.4720



122.0040, 29.7080, 12.2680



115.4640, -4.9030, -15.7750

# Complementary

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



115.6880, -34.1120, 1.4720



124.3120, 34.1120, -1.4720

# 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.



117.6680, 12.1980, -11.8180



115.6880, -34.1120, 1.4720



120.9190, 31.0850, 3.8290

# Square

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



115.6880, -34.1120, 1.4720



122.9630, 19.7580, 16.3820



119.7130, 25.4930, -4.9630



112.8840, -23.7010, -16.5090



# Rectangle

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



115.6880, -34.1120, 1.4720



121.7030, -2.9370, 14.6870



119.7130, 25.4930, -4.9630



115.8130, 1.4240, -14.8000

# Sweetspot

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



115.6880, -34.1120, 1.4720



187.6980, -13.7090, 0.6510



129.7980, -29.7510, -28.0150



92.2210, -7.9320, 0.5800



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



115.6880, -34.1120, 1.4720



141.1620, -53.0020, 2.4060



95.1430, -24.4870, 19.7770



74.8470, -3.9430, -0.1270



62.6750, -67.6280, 3.1560



6.9930, -7.2900, -0.0420



# Inverse Universe

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



110.0880, 30.0720, 27.7040



132.5560, 46.8500, 43.0260



144.8570, 24.4870, -19.7770



73.9620, 3.1630, 3.2510



51.7630, 59.8690, 54.8850



5.5110, 6.0510, 5.9790



# Previews

## White Background



This preview shows how the YIQ color 115.6880, -34.1120, 1.4720 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 115.6880, -34.1120, 1.4720 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

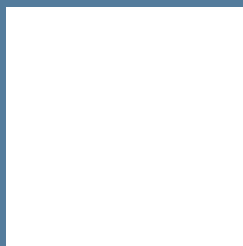
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 115.6880, -34.1120, 1.4720

## Background



This preview shows how black text looks on a background with the YIQ color 115.6880, -34.1120, 1.4720.



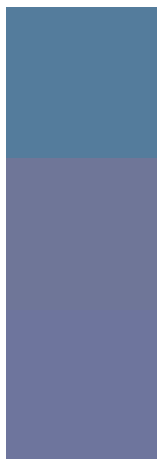
This preview shows how white text looks on a background with the YIQ color 115.6880, -34.1120,



# 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

115.6880, -34.1120, 1.4720

### Protanopia

119.7830, -15.0860, 9.0900

### Deuteranopia

119.4670, -17.0120, 10.9560



## Tritanopia

113.6030, -32.7350, -6.9670

# Trichromacy



## Original Color

115.6880, -34.1120, 1.4720

## Protanomaly

118.0810, -21.9170, 6.2350

## Deuteranomaly

118.5370, -23.2010, 7.4790

## Tritanomaly

114.4120, -33.5150, -3.8430

# Monochromacy



## Original Color

115.6880, -34.1120, 1.4720

## Achromatopsia

116.0000, -0.0000, 0.0000

## Achromatomaly

115.8830, -12.7920, 0.5520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 115.6880, -34.1120, 1.4720 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(84, 124, 156)` looks like.

```
.text, #text, p{  
    color:rgb(84, 124, 156)  
}
```

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(84, 124, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 124, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 115.6880, -34.1120, 1.4720 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(84, 124, 156) }
```



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

```
.border{ border-color:rgb(84, 124, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 124, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 124, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 124, 156);  
box-shadow:4px 4px 4px 4px rgb(84, 124,  
156) }
```

# Background

The CSS property to change the background color of an element to YIQ 115.6880, -34.1120, 1.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 124, 156) }
```

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

```
.background{ background-color: rgb(84, 124,  
156) }
```

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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