

# Converting Colors

YIQ(122.9300, -46.5370, 0.8790)

Have a look what the booklet for  
YIQ(122.9300, -46.5370, 0.8790)  
contains.

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# Color

**YIQ(122.9300, -46.5370,  
0.8790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F87B0
RGB	79, 135, 176
RGB Percent	31%, 53%, 69%
CMY	0.6903, 0.4705, 0.3100
CMYK	0.55, 0.23, 0.00, 0.31
HSL	205°, 38%, 50%
HSV	205°, 55%, 69%
XYZ	19.7204, 22.1280, 44.2774
YIQ	122.9300, -46.5370, 0.8790

# Conversions

## Conversions Part 2

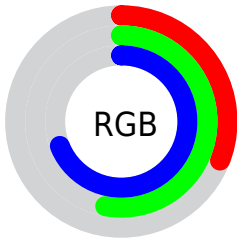
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 115, 176
Decimal	5212080
CIE <sub>Lab</sub>	54.16, -6.42, -27.20
CIE <sub>LCh</sub>	54, 27.951, 256.717
Yxy	22.1280, 0.2290, 0.2569
Android (android.graphics.Color)	4283402160 (0xFF4F87B0)
YUV	122.9300, 26.1635, -38.5266
Hunter-Lab	47.0404, -7.4894, -22.8792

# Details

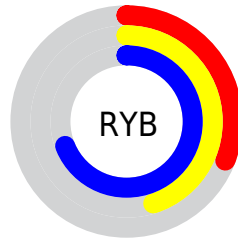
The YIQ color **122.9300, -46.5370, 0.8790** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **132.0700, 46.5370, -0.8790**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **177.1690, -45.7120, 2.4480**, and **67.5050, -55.7060, -3.6580** is the 20% darker color. If you saturate the color by 10%, you get **113.4390, -55.3400, 0.7240**, and if you desaturate by 10%, it is **132.4210, -37.7340, 1.0340**.

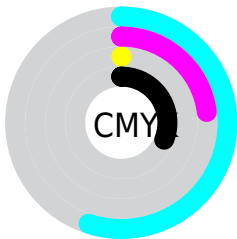
# Distribution



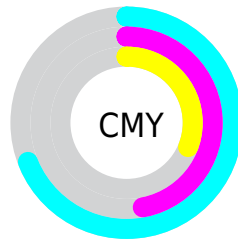
- Red (31%)
- Green (53%)
- Blue (69%)



- Red (31%)
- Yellow (45%)
- Blue (69%)



- Cyan (55%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (47%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.9300, -46.5370, 0.8790 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 122.9300, -46.5370, 0.8790 by changing the saturation by 10% instead.



■ 122.9300,  
-46.5370, 0.8790

■ 122.9300,  
-46.5370, 0.8790

■ 255.0000, -0.0000,  
-0.0000

■ 96.5060, -48.2790,  
-0.5910

■ 177.1690,  
-45.7120, 2.4480

■ 67.7930, -56.5770,  
-4.3930

■ 204.5990,  
-44.1070, 0.8930

■ 47.5660, -48.5080,  
-1.9480

■ 229.4070,  
-35.1190, -7.8150

■ 32.5030, -35.0290,  
1.5710

■ 244.5350,  
-20.8600, -7.4200

■ 18.1410, -22.1460,  
4.8780

■ 253.2060, -3.5760,  
-1.2720

■ 4.5940, -10.1800,  
8.2840

■ 0.0000, 0.0000,

0.0000

■ 122.9300,  
-46.5370, 0.8790

■ 122.9300,  
-46.5370, 0.8790

■ 113.4390,  
-55.3400, 0.7240

■ 132.4210,  
-37.7340, 1.0340

■ 103.6600,  
-63.2720, 1.3040

■ 142.2000,  
-29.8020, 0.4540

■ 94.1690, -72.0750,  
1.1490

■ 151.6910,  
-20.9990, 0.6090

■ 84.3900, -80.0070,  
1.7290

■ 161.4700,  
-13.0670, 0.0290

■ 79.9380, -84.5460,  
1.3900

■ 170.9610, -4.2640,  
0.1840

■ 181.0390, 4.2640,  
-0.1840

■ 190.2310, 12.4710,  
-0.2410

■ 199.7220, 21.2740,  
-0.0860

■ 209.5010, 29.2060,  
-0.6660

# Harmonies

## Analogous

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



114.9290, -63.1320, -12.2520



122.9300, -46.5370, 0.8790



129.5960, -21.6890, 13.1190

# Triad

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



122.9300, -46.5370, 0.8790



131.4180, 37.4100, 15.8580



123.3450, -6.1860, -20.0580

# Complementary

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



122.9300, -46.5370, 0.8790



132.0700, 46.5370, -0.8790

# 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.



126.4140, 15.7290, -15.2390



122.9300, -46.5370, 0.8790



130.3500, 40.1170, 5.3410

# Square

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



122.9300, -46.5370, 0.8790



132.6480, 25.2590, 21.3150



128.5950, 31.6370, -6.1790



119.5300, -31.6320, -21.4560



# Rectangle

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



122.9300, -46.5370, 0.8790



132.0390, -3.7630, 18.6450



128.5950, 31.6370, -6.1790



124.7650, 1.3790, -19.4930

# Sweetspot

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



122.9300, -46.5370, 0.8790



208.0610, -19.1650, 0.4110



140.4990, -39.5150, -38.2910



102.2530, -10.9580, 0.3540



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



122.9300, -46.5370, 0.8790



146.9840, -72.9920, 1.2480



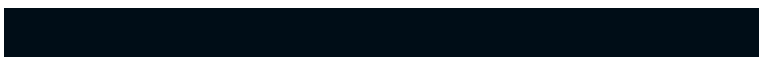
94.7540, -33.3370, 25.9830



81.9610, -4.2640, 0.1840



68.1690, -72.0750, 1.1490



10.2530, -10.9580, 0.3540



# Inverse Universe

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



114.3870, 39.8360, 37.9800



133.4800, 62.3440, 59.5920



160.2460, 33.3370, -25.9830



81.2610, 3.7590, 3.4630



54.7680, 61.4730, 58.8570



8.3590, 9.5350, 8.9190



# Previews

## White Background



This preview shows how the YIQ color 122.9300, -46.5370, 0.8790 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 122.9300, -46.5370, 0.8790 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

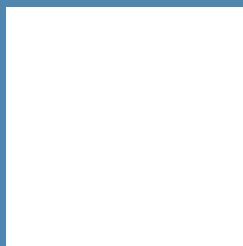
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 122.9300, -46.5370, 0.8790**

## **Background**



This preview shows how black text looks on a background with the YIQ color 122.9300, -46.5370, 0.8790.



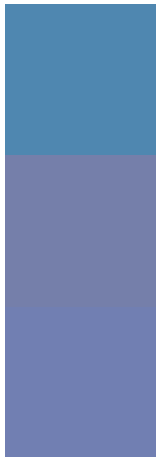
This preview shows how white text looks on a background with the YIQ color 122.9300, -46.5370,



# 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

122.9300, -46.5370, 0.8790

### Protanopia

128.9120, -19.7630, 11.2530

### Deuteranopia

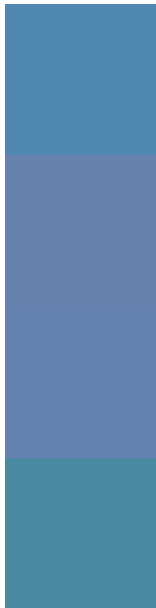
128.6280, -24.7150, 12.8930



## Tritanopia

120.0250, -45.8470, -11.6310

# Trichromacy



## Original Color

122.9300, -46.5370, 0.8790

## Protanomaly

126.7150, -29.5740, 7.3380

## Deuteranomaly

126.6870, -32.3710, 8.4690

## Tritanomaly

121.0730, -45.8020, -6.9380

# Monochromacy



## Original Color

122.9300, -46.5370, 0.8790

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.7300, -16.7350, 0.4250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.9300, -46.5370, 0.8790 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(79, 135, 176)` looks like.

```
.text, #text, p{  
    color:rgb(79, 135, 176)  
}
```

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(79, 135, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 135, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 122.9300, -46.5370, 0.8790 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(79, 135, 176) }
```



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

```
.border{ border-color:rgb(79, 135, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 135, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 135, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 135, 176);  
box-shadow:4px 4px 4px 4px rgb(79, 135,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.9300, -46.5370, 0.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 135, 176) }
```

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

```
.background{ background-color: rgb(79, 135,  
176) }
```

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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