

# Converting Colors

YIQ(122.6240, -45.2550,  
10.6890)

Have a look what the booklet for  
YIQ(122.6240, -45.2550, 10.6890)  
contains.

<b>YIQ(122.6240, -45.2550, 10.6890)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(122.6240, -45.2550,  
10.6890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5680BF
RGB	86, 128, 191
RGB Percent	34%, 50%, 75%
CMY	0.6628, 0.4980, 0.2512
CMYK	0.55, 0.33, 0.00, 0.25
HSL	216°, 45%, 54%
HSV	216°, 55%, 75%
XYZ	20.9554, 21.1797, 52.2402
YIQ	122.6240, -45.2550, 10.6890

# Conversions

## Conversions Part 2

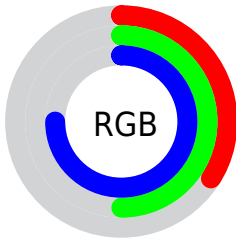
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 116, 191
Decimal	5669055
CIE <sub>Lab</sub>	53.15, 4.02, -37.35
CIE <sub>LCh</sub>	53, 37.570, 276.136
Yxy	21.1797, 0.2220, 0.2244
Android (android.graphics.Color)	4283859135 (0xFF5680BF)
YUV	122.6240, 33.7094, -32.1192
Hunter-Lab	46.0214, 0.7406, -35.0868

# Details

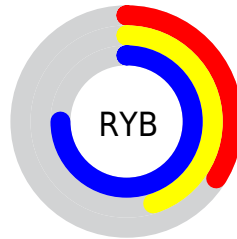
The YIQ color  $122.6240, -45.2550, 10.6890$  is a dark color, and the websafe version is hex  $6699CC$ . A complement of this color would be  $154.3760, 45.2550, -10.6890$ , and the grayscale version is  $122.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.9770, -44.7510, 12.5690$ , and  $68.2700, -53.1860, 5.7420$  is the 20% darker color. If you saturate the color by 10%, you get  $110.4860, -53.5540, 12.4140$ , and if you desaturate by 10%, it is  $134.7620, -36.9560, 8.9640$ .

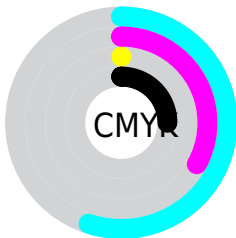
# Distribution



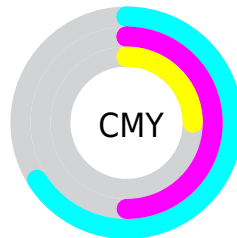
- Red (34%)
- Green (50%)
- Blue (75%)



- Red (34%)
- Yellow (45%)
- Blue (75%)



- Cyan (55%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (66%)
- Magenta (50%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.6240, -45.2550, 10.6890 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 122.6240, -45.2550, 10.6890 by changing the saturation by 10% instead.



■ 122.6240,  
-45.2550, 10.6890

■ 122.6240,  
-45.2550, 10.6890

■ 255.0000, -0.0000,  
-0.0000

■ 96.2000, -46.9970,  
9.2190

■ 176.9770,  
-44.7510, 12.5690

■ 68.2700, -53.1860,  
5.7420

■ 202.2950,  
-37.1390, 6.7730

■ 46.1130, -51.3060,  
4.7100

■ 227.1030,  
-28.1510, -1.9350

■ 31.0500, -37.8270,  
8.2290

■ 247.2260,  
-15.4960, -5.5120

■ 15.4000, -24.0730,  
12.2710

■ 6.3210, -13.6650,  
10.8710

■ 2.6390, -6.0530,

5.0750

■ 0.0000, 0.0000,  
0.0000

■ 122.6240,  
-45.2550, 10.6890

■ 122.6240,  
-45.2550, 10.6890

■ 110.4860,  
-53.5540, 12.4140

■ 134.7620,  
-36.9560, 8.9640

■ 97.7610, -61.5780,  
14.6620

■ 147.4870,  
-28.9320, 6.7160

■ 85.6230, -69.8770,  
16.3870

■ 159.6250,  
-20.6330, 4.9910

■ 72.8980, -77.9010,  
18.6350

■ 172.3500,  
-12.6090, 2.7430

■ 66.3860, -82.2110,  
19.6530

■ 184.4880, -4.3100,  
1.0180

■ 197.5120, 4.3100,  
-1.0180

■ 209.6500, 12.6090,  
-2.7430

■ 222.3750, 20.6330,  
-4.9910

■ 233.6160, 27.1440,  
-7.3520

# Harmonies

## Analogous

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



101.5090, -97.0600, -14.1160



122.6240, -45.2550, 10.6890



130.0590, -6.5150, 24.4690

# Triad

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



122.6240, -45.2550, 10.6890



127.2100, 52.4950, 12.2950



113.5910, -33.6020, -29.8100

# Complementary

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



122.6240, -45.2550, 10.6890



154.3760, 45.2550, -10.6890

# 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.



119.8480, 2.3430, -25.9530



122.6240, -45.2550, 10.6890



126.0760, 46.4000, -3.9040

# Square

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



122.6240, -45.2550, 10.6890



128.7060, 45.7070, 25.1870



123.3630, 28.9340, -17.7700



99.6900, -82.2930, -33.9490



# Rectangle

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



122.6240, -45.2550, 10.6890



130.7150, 15.1250, 28.7650



123.3630, 28.9340, -17.7700



116.0610, -20.3060, -28.4820

# Sweetspot

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



122.6240, -45.2550, 10.6890



221.8380, -16.9190, 3.7610



154.5890, -48.4560, -35.9440



109.6060, -10.4540, 2.2340



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



122.6240, -45.2550, 10.6890



140.7370, -70.1980, 16.6980



100.6610, -28.3410, 34.5630



88.3740, -3.9890, 0.7070



54.9930, -68.0430, 16.1890



10.5780, -13.2510, 3.3650



# Inverse Universe

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



122.1830, 49.0980, 35.3220



140.1470, 76.2830, 54.7710



176.3390, 28.3410, -34.5630



88.1470, 4.0800, 3.1520



54.4240, 73.9450, 53.0890



10.6370, 14.6240, 10.3040



# Previews

## White Background



This preview shows how the YIQ color 122.6240, -45.2550, 10.6890 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 122.6240, -45.2550, 10.6890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

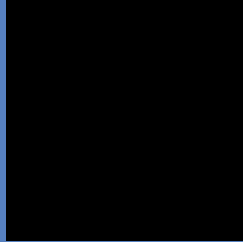
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.6240, -45.2550, 10.6890

## Background



This preview shows how black text looks on a background with the YIQ color 122.6240, -45.2550, 10.6890.



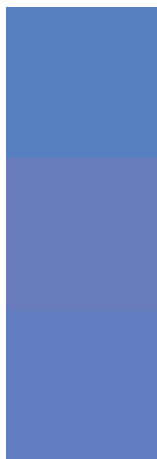
This preview shows how white text looks on a background with the YIQ color 122.6240, -45.2550,



# 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

122.6240, -45.2550, 10.6890

### Protanopia

125.6150, -31.8680, 15.8760

### Deuteranopia

124.4400, -38.7450, 13.8550



## Tritanopia

118.2210, -43.4630, -10.7830

# Trichromacy



## Original Color

122.6240, -45.2550, 10.6890

## Protanomaly

124.2230, -36.6360, 14.1800

## Deuteranomaly

123.8310, -41.4040, 12.4840

## Tritanomaly

120.0780, -44.1980, -2.9660

# Monochromacy



## Original Color

122.6240, -45.2550, 10.6890

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.1370, -16.3230, 3.9730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.6240, -45.2550, 10.6890 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(86, 128, 191)` looks like.

```
.text, #text, p{  
    color:rgb(86, 128, 191)  
}
```

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(86, 128, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 128, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 122.6240, -45.2550, 10.6890 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(86, 128, 191) }
```



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

```
.border{ border-color:rgb(86, 128, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 128, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 128, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 128, 191);  
box-shadow:4px 4px 4px 4px rgb(86, 128,  
191) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.6240, -45.2550, 10.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 128, 191) }
```

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

```
.background{ background-color: rgb(86, 128,  
191) }
```

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