

# Converting Colors

YIQ(120.1090, -62.6780,  
12.5700)

Have a look what the booklet for  
YIQ(120.1090, -62.6780, 12.5700)  
contains.

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# Color

**YIQ(120.1090, -62.6780,  
12.5700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4481D3
RGB	68, 129, 211
RGB Percent	27%, 51%, 83%
CMY	0.7334, 0.4940, 0.1729
CMYK	0.68, 0.39, 0.00, 0.17
HSL	214°, 62%, 55%
HSV	214°, 68%, 83%
XYZ	21.9838, 21.6346, 64.5929
YIQ	120.1090, -62.6780, 12.5700

# Conversions

## Conversions Part 2

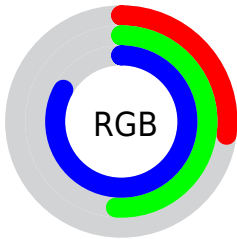
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 111, 211
Decimal	4489683
CIE <sub>Lab</sub>	53.64, 6.76, -47.99
CIE <sub>LCh</sub>	54, 48.460, 278.018
Yxy	21.6346, 0.2032, 0.1999
Android (android.graphics.Color)	4282679763 (0xFF4481D3)
YUV	120.1090, 44.8093, -45.6996
Hunter-Lab	46.5130, 2.9681, -49.7774

# Details

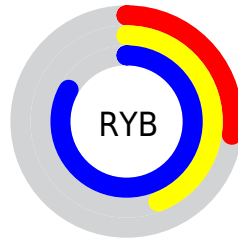
The YIQ color **120.1090, -62.6780, 12.5700** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **158.8910, 62.6780, -12.5700**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **174.1870, -54.1500, 12.2020**, and **64.7440, -72.0760, 6.6760** is the 20% darker color. If you saturate the color by 10%, you get **106.7860, -71.8940, 14.3940**, and if you desaturate by 10%, it is **133.4320, -53.4620, 10.7460**.

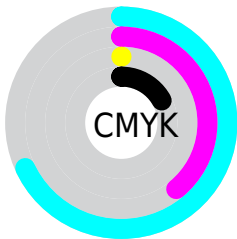
# Distribution



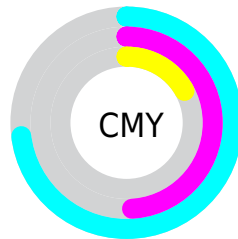
- Red (27%)
- Green (51%)
- Blue (83%)



- Red (27%)
- Yellow (44%)
- Blue (83%)



- Cyan (68%)
- Magenta (39%)
- Yellow (0%)
- Black (17%)



- Cyan (73%)
- Magenta (49%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.1090, -62.6780, 12.5700 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 120.1090, -62.6780, 12.5700 by changing the saturation by 10% instead.



■ 120.1090,  
-62.6780, 12.5700

■ 120.1090,  
-62.6780, 12.5700

■ 255.0000, -0.0000,  
-0.0000

■ 89.9830, -71.2510,  
8.2450

■ 174.1870,  
-54.1500, 12.2020

■ 64.7440, -72.0760,  
6.6760

■ 199.5930,  
-43.9700, 3.9180

■ 48.7520, -57.3590,  
9.7850

■ 224.9990,  
-33.7900, -4.3660

■ 33.5750, -43.5590,  
12.9930

■ 244.2360,  
-21.4560, -7.6320

■ 18.3980, -29.7590,  
16.2010

■ 253.5050, -2.9800,  
-1.0600

■ 9.2050, -19.0300,  
14.4900

■ 4.9360, -11.1430,

9.2170

■ 0.6840, -1.9260,  
1.8660

■ 0.0000, 0.0000,  
0.0000

■ 120.1090,  
-62.6780, 12.5700

■ 120.1090,  
-62.6780, 12.5700

■ 106.7860,  
-71.8940, 14.3940

■ 133.4320,  
-53.4620, 10.7460

■ 93.4630, -81.1100,  
16.2180

■ 146.7550,  
-44.2460, 8.9220

■ 80.1400, -90.3260,  
18.0420

■ 160.0780,  
-35.0300, 7.0980

■ 76.8840, -92.4810,  
18.5510

■ 173.4010,  
-25.8140, 5.2740

■ 186.7240,  
-16.5980, 3.4500

■ 200.9330, -7.0610,  
1.3150

■ 214.2560, 2.1550,  
-0.5090

■ 227.5790, 11.3710,  
-2.3330

■ 240.0050, 18.7990,  
-4.7930

# Harmonies

## Analogous

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



106.1370, -104.5800, -9.9880



120.1090, -62.6780, 12.5700



131.2150, -6.6540, 32.4980

# Triad

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



120.1090, -62.6780, 12.5700



126.6200, 66.0200, 14.9800



101.3160, -61.1090, -43.4210

# Complementary

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



120.1090, -62.6780, 12.5700



158.8910, 62.6780, -12.5700

# 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.



117.6100, -0.2230, -34.5190



120.1090, -62.6780, 12.5700



125.7150, 57.5420, -7.5940

# Square

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



120.1090, -62.6780, 12.5700



127.6910, 59.2310, 33.3990



122.9150, 35.7670, -25.9690



103.1950, -85.2730, -35.0090



# Rectangle

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



120.1090, -62.6780, 12.5700



131.6330, 21.5880, 38.2920



122.9150, 35.7670, -25.9690



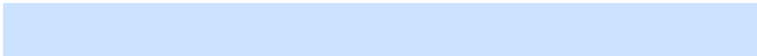
110.9080, -33.4170, -38.6730

# Sweetspot

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



120.1090, -62.6780, 12.5700



222.7280, -22.4210, 4.3550



161.1750, -65.3260, -49.5980



108.1650, -13.5260, 2.8420



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



120.1090, -62.6780, 12.5700



123.8410, -90.9220, 17.8300



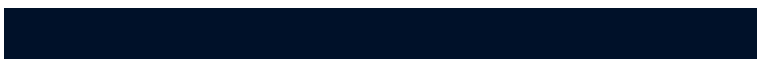
87.2920, -39.9430, 46.5930



98.1890, -4.9060, 0.8060



61.4160, -73.7280, 14.5920



14.6530, -17.8360, 3.8600



# Inverse Universe

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



117.7110, 65.6470, 49.2870



120.0390, 94.8030, 71.5630



191.7080, 39.9430, -46.5930



97.8590, 4.9510, 3.8870



58.4400, 77.0160, 58.0080

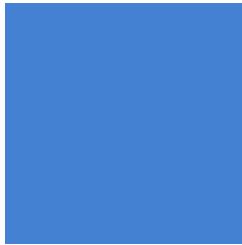


14.1970, 18.9790, 13.9790



# Previews

## White Background



This preview shows how the YIQ color 120.1090, -62.6780, 12.5700 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 120.1090, -62.6780, 12.5700 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 120.1090, -62.6780, 12.5700

## Background



This preview shows how black text looks on a background with the YIQ color 120.1090, -62.6780, 12.5700.



This preview shows how white text looks on a background with the YIQ color 120.1090, -62.6780, 12.5700.



# 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

120.1090, -62.6780, 12.5700

### Protanopia

125.3780, -44.2020, 19.1420

### Deuteranopia

121.0170, -59.4230, 14.1530



## Tritanopia

107.3850, -73.5840, -21.0720

# Trichromacy



## Original Color

120.1090, -62.6780, 12.5700

## Protanomaly

123.0890, -50.7580, 16.8100

## Deuteranomaly

120.4190, -60.6150, 13.7290

## Tritanomaly

112.2150, -69.6890, -9.0570

# Monochromacy



## Original Color

120.1090, -62.6780, 12.5700

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

119.8420, -22.7420, 4.6660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.1090, -62.6780, 12.5700 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(68, 129, 211)` looks like.

```
.text, #text, p{  
    color:rgb(68, 129, 211)  
}
```

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(68, 129, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 129, 211) }
```

## Border

The CSS property to change the border of an element to YIQ 120.1090, -62.6780, 12.5700 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(68, 129, 211) }
```



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

```
.border{ border-color:rgb(68, 129, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 129, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 129, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 129, 211);  
box-shadow:4px 4px 4px 4px rgb(68, 129,  
211) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.1090, -62.6780, 12.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 129, 211) }
```

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

```
.background{ background-color: rgb(68, 129,  
211) }
```

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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