

Converting Colors

YIQ(159.0670, -62.8600, 4.8520)

Have a look what the booklet for
YIQ(159.0670, -62.8600, 4.8520)
contains.

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Color

**YIQ(159.0670, -62.8600,
4.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	66ADED
RGB	102, 173, 237
RGB Percent	40%, 68%, 93%
CMY	0.6001, 0.3214, 0.0709
CMYK	0.57, 0.27, 0.00, 0.07
HSL	208°, 79%, 66%
HSV	208°, 57%, 93%
XYZ	35.7000, 38.8315, 85.6760
YIQ	159.0670, -62.8600, 4.8520

Conversions

Conversions Part 2

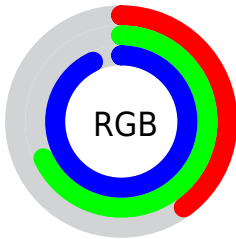
Format	Color
RYB	102, 149, 237
Decimal	6729197
CIELab	68.63, -4.02, -38.73
CIElCh	69, 38.938, 264.068
Yxy	38.8315, 0.2228, 0.2424
Android (android.graphics.Color)	4284919277 (0xFF66AED)
YUV	159.0670, 38.4210, -50.0478
Hunter-Lab	62.3149, -6.7890, -37.8966

Details

The YIQ color **159.0670, -62.8600, 4.8520** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **179.9330, 62.8600, -4.8520**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **211.0450, -48.5990, -5.8070**, and **101.2290, -72.3040, -0.2080** is the 20% darker color. If you saturate the color by 10%, you get **145.4340, -74.1390, 5.5170**, and if you desaturate by 10%, it is **172.7000, -51.5810, 4.1870**.

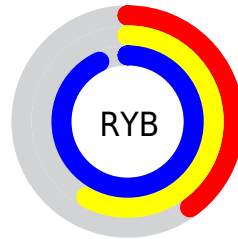
Distribution



Red (40%)

Green (68%)

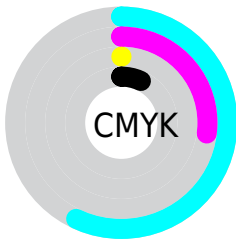
Blue (93%)



Red (40%)

Yellow (58%)

Blue (93%)

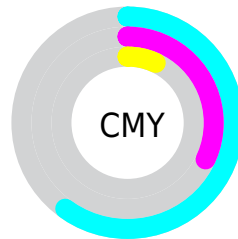


Cyan (57%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (60%)

Magenta (32%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.0670, -62.8600, 4.8520 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 159.0670, -62.8600, 4.8520 by changing the saturation by 10% instead.

■ 159.0670,
-62.8600, 4.8520

■ 159.0670,
-62.8600, 4.8520

■ 255.0000, -0.0000,
-0.0000

■ 130.9310,
-65.4730, 2.6470

■ 211.0450,
-48.5990, -5.8070

■ 101.2290,
-72.3040, -0.2080

■ 235.8640,
-38.1440, -13.5680

■ 73.9080, -75.8340,
-2.3140

■ 244.8340,
-20.2640, -7.2080

■ 57.3290, -60.8420,
1.3180

■ 253.8040, -2.3840,
-0.8480

■ 41.5650, -46.7670,
5.0490

■ 26.5020, -33.2880,
8.5680

■ 9.2050, -19.0300,

14.4900

■ 4.8220, -10.8220,
8.9060

■ 0.5700, -1.6050,
1.5550

■ 159.0670,
-62.8600, 4.8520

■ 159.0670,
-62.8600, 4.8520

■ 145.4340,
-74.1390, 5.5170

■ 172.7000,
-51.5810, 4.1870

■ 132.1000,
-84.8220, 6.3940

■ 186.0340,
-40.8980, 3.3100

■ 117.8800,
-95.8260, 7.5820

■ 200.2540,
-29.8940, 2.1220

■ 104.2470,
-107.1050, 8.2470

■ 213.8870,
-18.6150, 1.4570

■ 100.3930,
-110.4520, 8.3320

■ 227.2210, -7.9320,
0.5800

■ 240.8540, 3.3470,
-0.0850

■ 251.1870, 6.6030,
-4.0290

■ 252.9480, 5.7780,
-5.5980

Harmonies

Analogous

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



139.4320, -107.3290, -20.7450



159.0670, -62.8600, 4.8520



169.0940, -22.7910, 22.0810

Triad

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



159.0670, -62.8600, 4.8520



169.2910, 56.9410, 19.8290



156.9640, -18.6550, -30.8710

Complementary

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



159.0670, -62.8600, 4.8520



179.9330, 62.8600, -4.8520

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.



161.9050, 15.3640, -25.1480



159.0670, -62.8600, 4.8520



168.0820, 55.4310, 3.1350

Square

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



159.0670, -62.8600, 4.8520



171.0140, 42.0840, 30.2760



165.6420, 41.4500, -13.3180



148.5370, -59.8730, -32.7770

Rectangle

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



159.0670, -62.8600, 4.8520



171.4840, 2.6540, 29.0060



165.6420, 41.4500, -13.3180



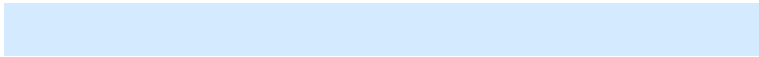
159.2490, -6.2760, -29.4440

Sweetspot

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



159.0670, -62.8600, 4.8520



229.8160, -19.8530, 1.8670



188.4270, -57.3480, -51.0120



112.5950, -11.9210, 1.2870



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.



159.0670, -62.8600, 4.8520



155.1390, -80.5580, 6.2100



119.7380, -44.4350, 39.8930



110.7760, -5.1810, 0.2830



76.3990, -84.2260, 6.6060



22.5920, -25.0340, 2.1500

Inverse Universe

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



150.4590, 57.6690, 50.7010



144.1010, 73.8970, 64.9770



218.6750, 44.7100, -39.3700



109.9730, 4.6300, 4.1980



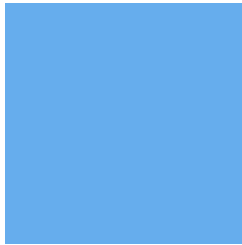
64.9490, 77.3810, 67.9170



19.3380, 23.1960, 20.1560

Previews

White Background



This preview shows how the YIQ color 159.0670, -62.8600, 4.8520 looks on a white background.

Color Contrast Check

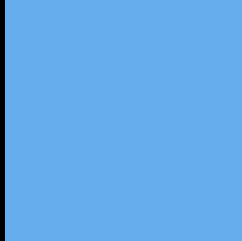
Large Text (above 18pt) WCAG AA × Fail

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 159.0670, -62.8600, 4.8520 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 ✓ Pass

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

YIQ 159.0670, -62.8600, 4.8520

Background



This preview shows how black text looks on a background with the YIQ color 159.0670, -62.8600, 4.8520.

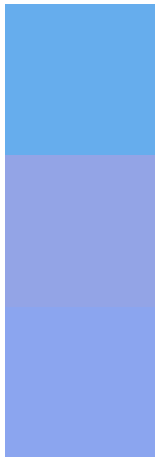


This preview shows how white text looks on a background with the YIQ color 159.0670, -62.8600,

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

159.0670, -62.8600, 4.8520

Protanopia

166.4410, -31.3180, 16.9220

Deuteranopia

165.6620, -39.2500, 17.5020



Tritanopia

153.8920, -61.7100, -15.9980

Trichromacy



Original Color

159.0670, -62.8600, 4.8520

Protanomaly

163.7600, -42.6420, 12.8940

Deuteranomaly

163.4220, -47.5020, 12.8660

Tritanomaly

155.6350, -62.1240, -8.4920

Monochromacy



Original Color

159.0670, -62.8600, 4.8520

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

158.8480, -22.8790, 1.6410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.0670, -62.8600, 4.8520 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(102, 173, 237)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 237)  
}
```

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(102, 173, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 237) }
```

Border

The CSS property to change the border of an element to YIQ 159.0670, -62.8600, 4.8520 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(102, 173, 237) }
```


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

```
.border{ border-color:rgb(102, 173, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 237);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 159.0670, -62.8600, 4.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 237) }
```

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

```
.background{ background-color: rgb(102,  
173, 237) }
```

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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