

Converting Colors

YIQ(159.4060, -50.5730, 7.9470)

Have a look what the booklet for
YIQ(159.4060, -50.5730, 7.9470)
contains.

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Color

**YIQ(159.4060, -50.5730,
7.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	74A8E5
RGB	116, 168, 229
RGB Percent	45%, 66%, 90%
CMY	0.5452, 0.3411, 0.1022
CMYK	0.49, 0.27, 0.00, 0.10
HSL	212°, 68%, 68%
HSV	212°, 49%, 90%
XYZ	35.3403, 37.3785, 79.4346
YIQ	159.4060, -50.5730, 7.9470

Conversions

Conversions Part 2

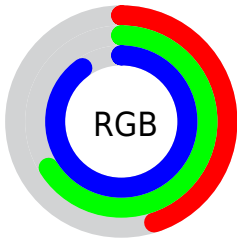
Format	Color
RYB	116, 152, 229
Decimal	7645413
CIELab	67.56, -0.63, -35.98
CIElCh	68, 35.981, 268.993
Yxy	37.3785, 0.2323, 0.2457
Android (android.graphics.Color)	4285835493 (0xFF74A8E5)
YUV	159.4060, 34.3098, -38.0671
Hunter-Lab	61.1380, -3.8111, -34.2370

Details

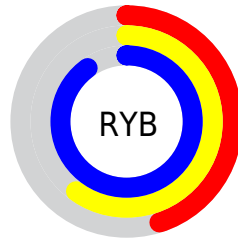
The YIQ color $159.4060, -50.5730, 7.9470$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $185.5940, 50.5730, -7.9470$, and the grayscale version is $159.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $211.6980, -40.0720, -0.6480$, and $104.8570, -53.4610, 5.2190$ is the 20% darker color. If you saturate the color by 10%, you get $145.4850, -60.9810, 9.3470$, and if you desaturate by 10%, it is $173.3270, -40.1650, 6.5470$.

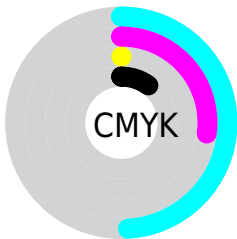
Distribution



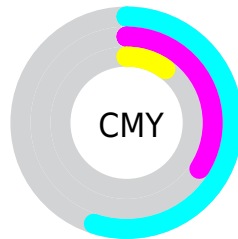
- Red (45%)
- Green (66%)
- Blue (90%)



- Red (45%)
- Yellow (60%)
- Blue (90%)



- Cyan (49%)
- Magenta (27%)
- Yellow (0%)
- Black (10%)



- Cyan (55%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.4060, -50.5730, 7.9470 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 159.4060, -50.5730, 7.9470 by changing the saturation by 10% instead.

■ 159.4060,
-50.5730, 7.9470

■ 159.4060,
-50.5730, 7.9470

■ 255.0000, -0.0000,
-0.0000

■ 132.2810,
-51.7190, 6.6890

■ 211.6980,
-40.0720, -0.6480

■ 104.8570,
-53.4610, 5.2190

■ 237.3920,
-30.7630, -9.6670

■ 76.0300, -61.4380,
1.1060

■ 248.1230,
-13.7080, -4.8760

■ 54.1830, -57.4950,
1.2330

■ 38.4190, -43.4200,
4.9640

■ 23.9430, -30.2160,
7.9600

■ 7.8200, -16.5080,

12.8360

■ 3.6650, -8.9420,
7.8740

■ 0.0000, 0.0000,
0.0000

■ 159.4060,
-50.5730, 7.9470

■ 159.4060,
-50.5730, 7.9470

■ 145.4850,
-60.9810, 9.3470

■ 173.3270,
-40.1650, 6.5470

■ 130.9770,
-71.1140, 11.2700

■ 187.8350,
-30.0320, 4.6240

■ 117.0560,
-81.5220, 12.6700

■ 201.7560,
-19.6240, 3.2240

■ 103.1350,
-91.9300, 14.0700

■ 215.6770, -9.2160,
1.8240

■ 88.9260,
-101.4670, 16.2050

■ 229.8860, 0.3210,
-0.3110

■ 87.7410,
-102.3840, 16.3040

■ 243.8070, 10.7290,
-1.7110

■ 251.4490, 8.6210,
-7.5630

■ 252.0360, 8.3460,
-8.0860

Harmonies

Analogous

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



146.8050, -83.2140, -11.7420



159.4060, -50.5730, 7.9470



167.2860, -14.5840, 22.0240

Triad

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



159.4060, -50.5730, 7.9470



166.6170, 52.9070, 15.8430



154.2780, -22.4150, -28.8070

Complementary

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



159.4060, -50.5730, 7.9470



185.5940, 50.5730, -7.9470

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.



158.9090, 9.5410, -24.2430



159.4060, -50.5730, 7.9470



164.8640, 50.1130, 0.3930

Square

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



159.4060, -50.5730, 7.9470



168.4930, 41.9930, 26.4170



162.2930, 35.1230, -14.2930



146.8300, -59.1400, -29.5400

Rectangle

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



159.4060, -50.5730, 7.9470



169.0670, 8.2020, 27.5780



162.2930, 35.1230, -14.2930



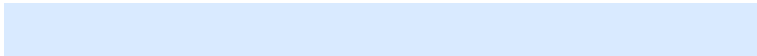
155.9650, -11.2280, -27.8040

Sweetspot

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



159.4060, -50.5730, 7.9470



231.3110, -16.8730, 2.9270



189.1710, -50.3350, -40.4390



113.4920, -10.1330, 1.9230



0.0000, 0.0000, 0.0000



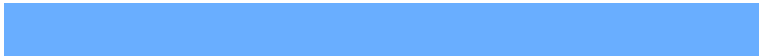
128.0000, -0.0000, -0.0000

Same Dimension

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



159.4060, -50.5730, 7.9470



162.6030, -67.1250, 10.5630



130.0780, -33.8890, 35.9910



107.8900, -5.5020, 0.5940



68.5400, -80.0090, 12.7830



19.3150, -22.6960, 3.8320

Inverse Universe

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



155.7150, 50.6560, 40.1280



157.7160, 67.2510, 53.2590



214.9220, 33.8890, -35.9910



107.2720, 5.2260, 4.4100



62.8690, 80.3620, 63.4500



17.8710, 23.0130, 17.9650

Previews

White Background



This preview shows how the YIQ color 159.4060, -50.5730, 7.9470 looks on a white background.

Color Contrast Check

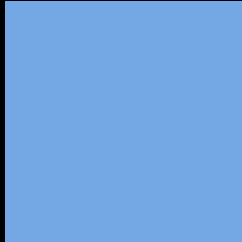
Large Text (above 18pt) WCAG AA × Fail

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 159.4060, -50.5730, 7.9470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

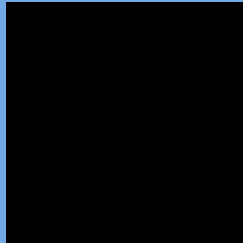
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

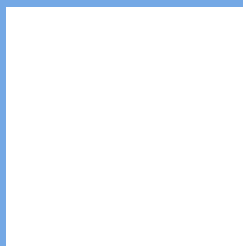
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 159.4060, -50.5730, 7.9470

Background



This preview shows how black text looks on a background with the YIQ color 159.4060, -50.5730, 7.9470.

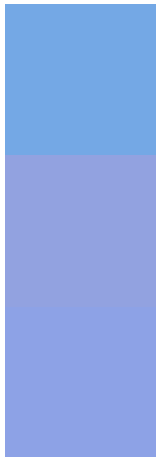


This preview shows how white text looks on a background with the YIQ color 159.4060, -50.5730,

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

159.4060, -50.5730, 7.9470

Protanopia

164.2840, -29.4380, 15.8900

Deuteranopia

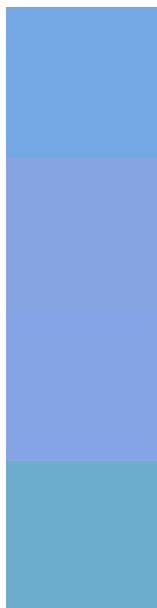
163.4730, -34.3440, 16.6960



Tritanopia

155.1820, -47.7270, -10.5990

Trichromacy



Original Color

159.4060, -50.5730, 7.9470

Protanomaly

162.3970, -37.1860, 13.1340

Deuteranomaly

161.9560, -40.2580, 13.7420

Tritanomaly

156.5120, -48.4160, -3.6160

Monochromacy



Original Color

159.4060, -50.5730, 7.9470

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

158.8270, -18.3860, 2.8140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.4060, -50.5730, 7.9470 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(116, 168, 229)` looks like.

```
.text, #text, p{  
    color:rgb(116, 168, 229)  
}
```

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(116, 168, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 168, 229) }
```

Border

The CSS property to change the border of an element to YIQ 159.4060, -50.5730, 7.9470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

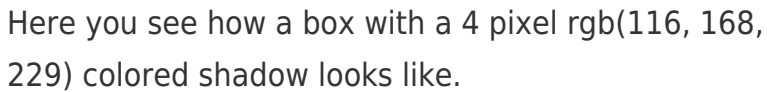
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 168, 229) }
```


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

```
.border{ border-color:rgb(116, 168, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 168, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 168, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 168, 229); box-shadow:4px 4px 4px 4px rgb(116, 168, 229) }
```

Background

The CSS property to change the background color of an element to YIQ 159.4060, -50.5730, 7.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 168, 229) }
```

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

```
.background{ background-color: rgb(116,  
168, 229) }
```

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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