

# Converting Colors

YIQ(150.1870, -54.1500,  
12.2020)

Have a look what the booklet for  
YIQ(150.1870, -54.1500, 12.2020)  
contains.

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# Color

**YIQ(150.1870, -54.1500,  
12.2020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A9DE7
RGB	106, 157, 231
RGB Percent	42%, 62%, 91%
CMY	0.5844, 0.3842, 0.0944
CMYK	0.54, 0.32, 0.00, 0.09
HSL	215°, 72%, 66%
HSV	215°, 54%, 91%
XYZ	32.4162, 32.9499, 80.2014
YIQ	150.1870, -54.1500, 12.2020

# Conversions

## Conversions Part 2

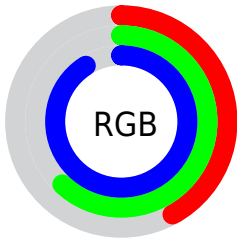
Format	Color
<a href="#">RYB</a>	<a href="#">106, 142, 231</a>
Decimal	<a href="#">6987239</a>
CIELab	<a href="#">64.12, 3.99, -42.48</a>
CIElCh	<a href="#">64, 42.671, 275.367</a>
Yxy	<a href="#">32.9499, 0.2227, 0.2264</a>
Android (android.graphics.Color)	<a href="#">4285177319</a> ( <a href="#">0xFF6A9DE7</a> )
YUV	<a href="#">150.1870, 39.8408, -38.7520</a>
Hunter-Lab	<a href="#">57.4020, 0.3496, -42.6579</a>

# Details

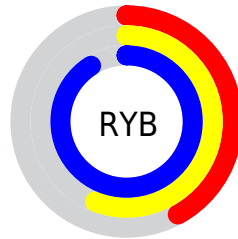
The YIQ color **150.1870, -54.1500, 12.2020** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **186.8130, 54.1500, -12.2020**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **201.9630, -42.1360, 3.7200**, and **94.7300, -60.2930, 7.8910** is the 20% darker color. If you saturate the color by 10%, you get **135.0920, -64.0080, 14.6480**, and if you desaturate by 10%, it is **165.2820, -44.2920, 9.7560**.

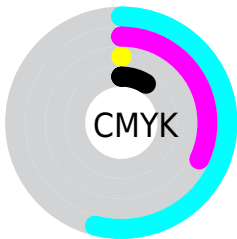
# Distribution



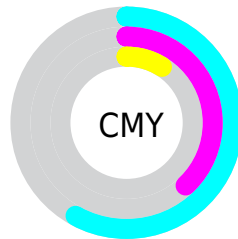
- Red (42%)
- Green (62%)
- Blue (91%)



- Red (42%)
- Yellow (56%)
- Blue (91%)



- Cyan (54%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (38%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 150.1870, -54.1500, 12.2020 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 150.1870, -54.1500, 12.2020 by changing the saturation by 10% instead.



■ 150.1870,  
-54.1500, 12.2020

■ 150.1870,  
-54.1500, 12.2020

■ 255.0000, -0.0000,  
-0.0000

■ 122.7630,  
-55.8920, 10.7320

■ 201.9630,  
-42.1360, 3.7200

■ 94.7300, -60.2930,  
7.8910

■ 227.6570,  
-32.8270, -5.2990

■ 65.0060, -70.0580,  
3.1420

■ 245.4320,  
-19.0720, -6.7840

■ 49.1280, -55.6620,  
6.5620

■ 254.4020, -1.1920,  
-0.4240

■ 33.9510, -41.8620,  
9.7700

■ 18.7740, -28.0620,  
12.9780

■ 7.9340, -16.8290,

13.1470

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,  
0.0000

■ 150.1870,  
-54.1500, 12.2020

■ 150.1870,  
-54.1500, 12.2020

■ 135.0920,  
-64.0080, 14.6480

■ 165.2820,  
-44.2920, 9.7560

■ 120.5840,  
-74.1410, 16.5710

■ 179.7900,  
-34.1590, 7.8330

■ 105.4890,  
-83.9990, 19.0170

■ 194.8850,  
-24.3010, 5.3870

■ 90.3940, -93.8570,  
21.4630

■ 209.9800,  
-14.4430, 2.9410

■ 81.5120,  
-100.0010, 22.6790

■ 224.4880, -4.3100,  
1.0180

■ 239.8820, 6.1440,  
-1.2160

■ 251.0900, 8.2540,  
-6.4180

■ 252.2640, 7.7040,  
-7.4640

# Harmonies

## Analogous

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



124.1520, -118.1040, -18.2000



150.1870, -54.1500, 12.2020



159.0250, -9.1750, 28.6250

# Triad

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



150.1870, -54.1500, 12.2020



156.1680, 61.4810, 14.6410



139.9770, -37.8650, -35.1530

# Complementary

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



150.1870, -54.1500, 12.2020



186.8130, 54.1500, -12.2020

# 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.



147.2840, 3.8110, -30.5330



150.1870, -54.1500, 12.2020



154.1540, 54.9280, -4.2720

# Square

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



150.1870, -54.1500, 12.2020



157.7610, 53.0420, 29.9220



151.3050, 34.8490, -20.3430



121.0790, -99.8060, -41.4540



# Rectangle

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



150.1870, -54.1500, 12.2020



160.2470, 16.6830, 33.5710



151.3050, 34.8490, -20.3430



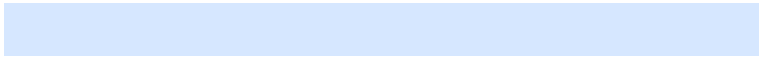
143.2300, -22.4600, -33.5000

# Sweetspot

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



150.1870, -54.1500, 12.2020



228.6530, -17.8360, 3.8600



187.6970, -57.8080, -42.6720



111.7200, -10.7750, 2.5450



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

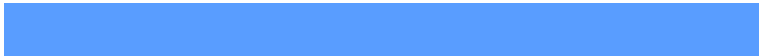


# Same Dimension

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



150.1870, -54.1500, 12.2020



147.8400, -71.9860, 16.0620



123.2400, -34.1650, 40.9950



107.3030, -5.2270, 1.1170



63.2570, -77.5340, 17.4900



18.1410, -22.1460, 4.8780



# Inverse Universe

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



149.1890, 58.1290, 42.3610



146.3860, 77.1080, 56.3400



213.7600, 34.1650, -40.9950



107.1580, 5.5470, 4.0990



61.8430, 83.2510, 60.6510

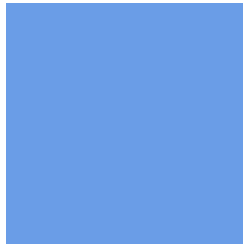


17.6430, 23.6550, 17.3430



# Previews

## White Background



This preview shows how the YIQ color 150.1870, -54.1500, 12.2020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

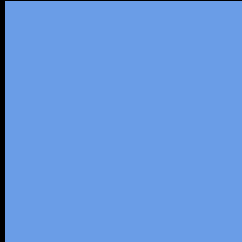
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 150.1870, -54.1500, 12.2020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

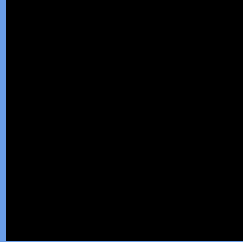
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

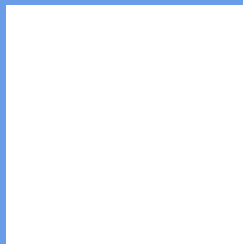
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 150.1870, -54.1500, 12.2020

## Background



This preview shows how black text looks on a background with the YIQ color 150.1870, -54.1500, 12.2020.



This preview shows how white text looks on a background with the YIQ color 150.1870, -54.1500,



# 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

150.1870, -54.1500, 12.2020

### Protanopia

153.9720, -37.1870, 18.6610

### Deuteranopia

152.7260, -45.3020, 17.0500



## Tritanopia

144.8610, -51.2570, -12.7050

# Trichromacy



## Original Color

150.1870, -54.1500, 12.2020

## Protanomaly

152.5690, -43.4220, 16.0180

## Deuteranomaly

151.8180, -48.5570, 15.4670

## Tritanomaly

146.7720, -52.0840, -3.2200

# Monochromacy



## Original Color

150.1870, -54.1500, 12.2020

## Achromatopsia

150.0000, -0.0000, -0.0000

## Achromatomaly

150.2830, -19.6700, 4.0580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 150.1870, -54.1500, 12.2020 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(106, 157, 231)` looks like.

```
.text, #text, p{  
    color:rgb(106, 157, 231)  
}
```

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(106, 157, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 157, 231) }
```

## Border

The CSS property to change the border of an element to YIQ 150.1870, -54.1500, 12.2020 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(106, 157, 231) }
```



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

```
.border{ border-color:rgb(106, 157, 231) }
```

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

Here you see how a box with a 4 pixel rgb(106, 157, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 157, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 157, 231);  
box-shadow:4px 4px 4px 4px rgb(106, 157,  
231) }
```

# Background

The CSS property to change the background color of an element to YIQ 150.1870, -54.1500, 12.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 157, 231) }
```

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

```
.background{ background-color: rgb(106,  
157, 231) }
```

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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