

Converting Colors

YIQ(158.7490, -70.4720,
10.6480)

Have a look what the booklet for
YIQ(158.7490, -70.4720, 10.6480)
contains.

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Color

**YIQ(158.7490, -70.4720,
10.6480)**

Conversions

Conversions Part 1

Format	Color
Hex	62ABFF
RGB	98, 171, 255
RGB Percent	38%, 67%, 100%
CMY	0.6158, 0.3293, 0.0003
CMYK	0.62, 0.33, 0.00, 0.00
HSL	212°, 100%, 69%
HSV	212°, 62%, 100%
XYZ	37.6383, 38.9468, 100.0673
YIQ	158.7490, -70.4720, 10.6480

Conversions

Conversions Part 2

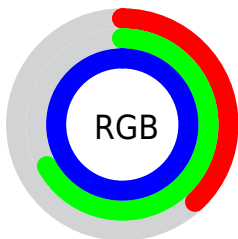
Format	Color
R _Y B	98, 148, 255
Decimal	6466559
CIE Lab	68.71, 2.03, -48.39
CIE LCh	69, 48.436, 272.401
Yxy	38.9468, 0.2131, 0.2205
Android (android.graphics.Color)	4284656639 (0xFF62ABFF)
YUV	158.7490, 47.4517, -53.2769
Hunter-Lab	62.4074, -1.5584, -51.3836

Details

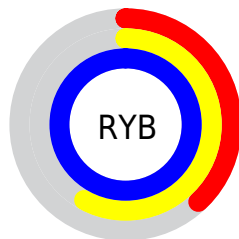
The YIQ color $158.7490, -70.4720, 10.6480$ is a light color, and the websafe version is hex $3399FF$. A complement of this color would be $194.2510, 70.4720, -10.6480$, and the grayscale version is $158.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $209.5720, -48.6450, -4.9730$, and $94.2190, -92.7070, 0.6130$ is the 20% darker color. If you saturate the color by 10%, you get $142.7570, -82.1180, 12.4580$, and if you desaturate by 10%, it is $174.4420, -59.4220, 8.6260$.

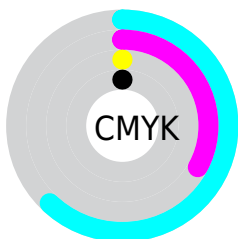
Distribution



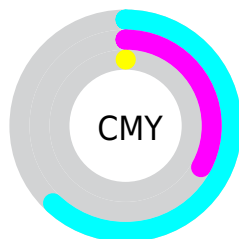
- Red (38%)
- Green (67%)
- Blue (100%)



- Red (38%)
- Yellow (58%)
- Blue (100%)



- Cyan (62%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 158.7490, -70.4720, 10.6480 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 158.7490, -70.4720, 10.6480 by changing the saturation by 10% instead.

■ 158.7490,
-70.4720, 10.6480

■ 158.7490,
-70.4720, 10.6480

■ 255.0000, -0.0000,
-0.0000

■ 129.7160,
-74.8730, 7.8070

■ 209.5720,
-48.6450, -4.9730

■ 94.2190, -92.7070,
0.6130

■ 235.5650,
-38.7400, -13.7800

■ 75.1450, -80.6950,
3.1850

■ 244.8340,
-20.2640, -7.2080

■ 58.5660, -65.7030,
6.8170

■ 253.8040, -2.3840,
-0.8480

■ 42.6880, -51.3070,
10.2370

■ 28.0980, -37.7820,
12.9220

■ 11.8610, -23.7530,

17.4870

■ 6.8910, -15.2700,
12.4260

■ 3.2090, -7.6580,
6.6300

■ 158.7490,
-70.4720, 10.6480

■ 158.7490,
-70.4720, 10.6480

■ 142.7570,
-82.1180, 12.4580

■ 174.4420,
-59.4220, 8.6260

■ 127.6510,
-93.4430, 13.9570

■ 189.8470,
-47.5010, 7.3390

■ 111.9580,
-104.4930, 15.9790

■ 205.5400,
-36.4510, 5.3170

■ 98.9230,
-114.5800, 17.0680

■ 221.5320,
-24.8050, 3.5070

■ 236.6380,
-13.4800, 2.0080

■ 252.6300, -1.8340,
0.1980

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



135.2370, -128.6490, -19.8250



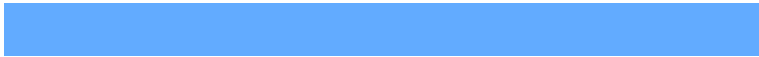
158.7490, -70.4720, 10.6480



171.1970, -15.4110, 31.5090

Triad

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



158.7490, -70.4720, 10.6480



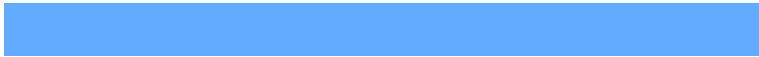
167.7070, 70.3290, 19.4890



150.3310, -39.1020, -40.2700

Complementary

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



158.7490, -70.4720, 10.6480



194.2510, 70.4720, -10.6480

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.



158.8020, 7.9840, -34.5760



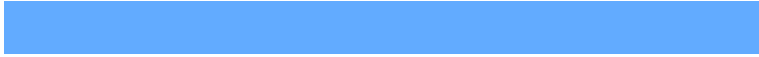
158.7490, -70.4720, 10.6480



166.4710, 64.2810, -3.0710

Square

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



158.7490, -70.4720, 10.6480



169.9730, 58.4970, 35.6890



163.0300, 42.8730, -22.5910



130.9100, -106.8200, -46.5000

Rectangle

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



158.7490, -70.4720, 10.6480



172.9250, 14.8940, 38.4620



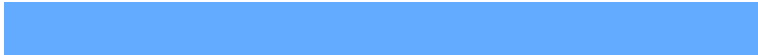
163.0300, 42.8730, -22.5910



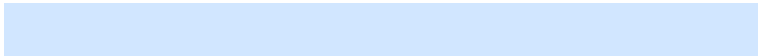
153.9540, -21.8630, -38.8150

Sweetspot

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



158.7490, -70.4720, 10.6480



226.5710, -20.5410, 3.3230



199.7350, -70.1390, -55.9870



110.5240, -13.1590, 1.6970



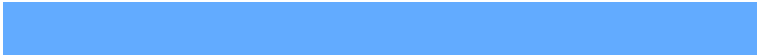
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



158.7490, -70.4720, 10.6480



139.2020, -84.8690, 12.7550



117.3930, -47.4170, 49.8870



120.0040, -5.8230, 0.9050



74.0170, -85.7860, 12.8540



24.9060, -28.7940, 4.2140

Inverse Universe

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



153.2650, 70.1390, 55.9870



132.5430, 84.3960, 67.4360



235.6070, 47.4170, -49.8870



119.5710, 5.8220, 4.6220



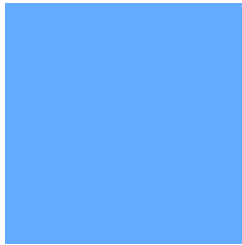
67.2550, 85.2670, 68.1710



22.5560, 28.5140, 22.8980

Previews

White Background



This preview shows how the YIQ color 158.7490, -70.4720, 10.6480 looks on a white background.

Color Contrast Check

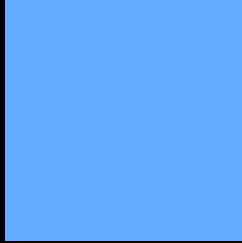
Large Text (above 18pt) WCAG AA × Fail

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 158.7490, -70.4720, 10.6480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

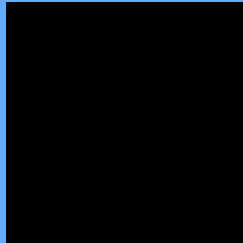
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

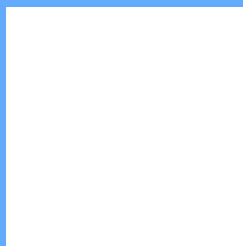
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 158.7490, -70.4720, 10.6480

Background



This preview shows how black text looks on a background with the YIQ color 158.7490, -70.4720, 10.6480.

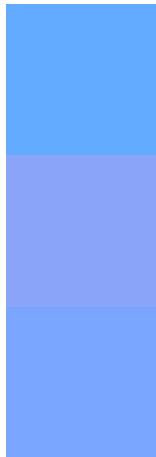


This preview shows how white text looks on a background with the YIQ color 158.7490, -70.4720,

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

158.7490, -70.4720, 10.6480

Protanopia

165.9160, -42.7810, 20.9230

Deuteranopia

163.2890, -54.1970, 18.5630



Tritanopia

150.2220, -71.5670, -19.0790

Trichromacy



Original Color

158.7490, -70.4720, 10.6480

Protanomaly

163.4200, -53.1880, 16.7960

Deuteranomaly

161.7720, -60.1110, 15.6090

Tritanomaly

153.2580, -71.2480, -8.3360

Monochromacy



Original Color

158.7490, -70.4720, 10.6480

Achromatopsia

159.0000, -0.0000, 0.0000

Achromatomaly

158.7600, -25.4470, 4.1290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 158.7490, -70.4720, 10.6480 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(98, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 171, 255)  
}
```

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(98, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 171, 255) }
```

Border

The CSS property to change the border of an element to YIQ 158.7490, -70.4720, 10.6480 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(98, 171, 255) }
```


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

```
.border{ border-color:rgb(98, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 171,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 158.7490, -70.4720, 10.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 171, 255) }
```

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

```
.background{ background-color: rgb(98, 171,  
255) }
```

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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