

# Converting Colors

YIQ(129.5730, -57.2720,  
35.7520)

Have a look what the booklet for  
YIQ(129.5730, -57.2720, 35.7520)  
contains.

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# Color

**YIQ(129.5730, -57.2720,  
35.7520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	617AFE
RGB	97, 122, 254
RGB Percent	38%, 48%, 100%
CMY	0.6196, 0.5215, 0.0042
CMYK	0.62, 0.52, 0.00, 0.00
HSL	230°, 99%, 69%
HSV	230°, 62%, 100%
XYZ	29.7672, 23.6138, 96.6844
YIQ	129.5730, -57.2720, 35.7520

# Conversions

## Conversions Part 2

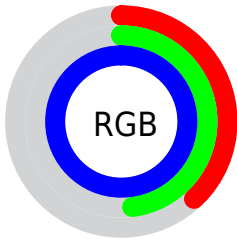
Format	Color
R <sub>Y</sub> B	97, 119, 254
Decimal	6388478
CIE Lab	55.70, 30.50, -68.61
CIE LCh	56, 75.089, 293.967
Yxy	23.6138, 0.1984, 0.1574
Android (android.graphics.Color)	4284578558 (0xFF617AFE)
YUV	129.5730, 61.3425, -28.5665
Hunter-Lab	48.5940, 24.3039, -83.9496

# Details

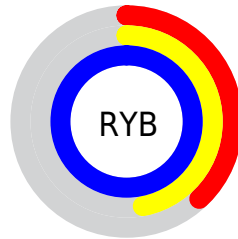
The YIQ color  $129.5730, -57.2720, 35.7520$  is a light color, and the websafe version is hex  $3366FF$ . A complement of this color would be  $221.4270, 57.2720, -35.7520$ , and the grayscale version is  $129.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $179.0480, -34.3450, 22.2230$ , and  $65.7820, -83.2660, 22.2540$  is the 20% darker color. If you saturate the color by 10%, you get  $109.7710, -66.3970, 41.4350$ , and if you desaturate by 10%, it is  $149.3750, -48.1470, 30.0690$ .

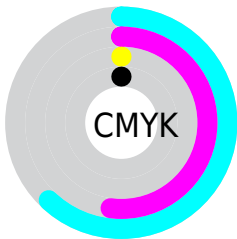
# Distribution



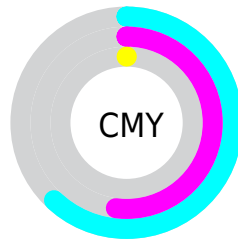
- Red (38%)
- Green (48%)
- Blue (100%)



- Red (38%)
- Yellow (47%)
- Blue (100%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 129.5730, -57.2720, 35.7520 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 129.5730, -57.2720, 35.7520 by changing the saturation by 10% instead.



■ 129.5730,  
-57.2720, 35.7520

■ 129.5730,  
-57.2720, 35.7520

■ 255.0000, -0.0000,  
-0.0000

■ 100.8280,  
-62.5440, 32.1760

■ 179.0480,  
-34.3450, 22.2230

■ 65.7820, -83.2660,  
22.2540

■ 204.1660,  
-23.2940, 14.6740

■ 49.6760, -68.2280,  
25.0520

■ 229.5720,  
-13.1140, 6.3900

■ 34.8580, -54.0610,  
27.1150

■ 254.1030, -1.7880,  
-0.6360

■ 21.3280, -40.7650,  
28.4430

■ 12.4940, -29.6690,  
25.5870

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 129.5730,  
-57.2720, 35.7520

■ 129.5730,  
-57.2720, 35.7520

■ 109.7710,  
-66.3970, 41.4350

■ 149.3750,  
-48.1470, 30.0690

■ 89.0830, -75.8430,  
47.4290

■ 170.0630,  
-38.7010, 24.0750

■ 69.2810, -84.9680,  
53.1120

■ 189.8650,  
-29.5760, 18.3920

■ 52.4360, -92.5340,  
58.0740

■ 209.9660,  
-19.8550, 12.9210

■ 230.3550,  
-11.0050, 6.7150

■ 250.1570, -1.8800,  
1.0320

254.8860, 0.3210,  
-0.3110

# Harmonies

## Analogous

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



114.7720, -122.0050, 2.9470



129.5730, -57.2720, 35.7520



134.9120, 26.0770, 61.5730

# Triad

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



129.5730, -57.2720, 35.7520



124.5860, 97.7500, 1.6060



107.9590, -82.1530, -47.5050

# Complementary

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



129.5730, -57.2720, 35.7520



221.4270, 57.2720, -35.7520

# 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.



97.1580, -58.6290, -66.3490



129.5730, -57.2720, 35.7520



125.3900, 67.8620, -29.4340

# Square

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



129.5730, -57.2720, 35.7520



120.5130, 101.1350, 44.9030



118.3040, 26.2810, -52.3030



116.1840, -103.9350, -27.1910



# Rectangle

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



129.5730, -57.2720, 35.7520



126.1310, 65.1850, 68.6810



118.3040, 26.2810, -52.3030



104.7500, -74.4950, -54.1350

# Sweetspot

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



129.5730, -57.2720, 35.7520



216.5810, -17.3330, 11.2670



204.0930, -85.2260, -41.3700



104.3550, -11.0050, 6.7150



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.



129.5730, -57.2720, 35.7520



105.1560, -68.9190, 43.0890



130.4460, -19.4050, 59.8510



117.6560, -4.7230, 2.9970



39.3840, -69.5610, 43.7110



13.1660, -23.2940, 14.6740



# Inverse Universe

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



146.7930, 85.5470, 41.0590



125.9310, 103.0140, 49.3980



220.5540, 19.4050, -59.8510



119.1150, 7.1060, 3.3780



60.5290, 104.2060, 49.8220

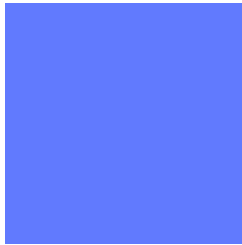


20.2760, 34.9340, 16.6780



# Previews

## White Background



This preview shows how the YIQ color 129.5730, -57.2720, 35.7520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

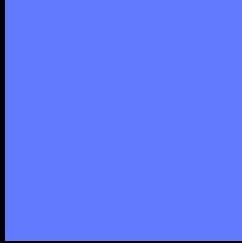
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 129.5730, -57.2720, 35.7520 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 129.5730, -57.2720, 35.7520

## Background



This preview shows how black text looks on a background with the YIQ color 129.5730, -57.2720, 35.7520.



This preview shows how white text looks on a background with the YIQ color 129.5730, -57.2720, 35.7520.



# 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

129.5730, -57.2720, 35.7520

### Protanopia

122.1460, -81.2950, 25.0810

### Deuteranopia

106.3770, -113.5230, 3.4130



## Tritanopia

118.0660, -62.2600, -17.0440

# Trichromacy



## Original Color

129.5730, -57.2720, 35.7520

## Protanomaly

124.8590, -72.9970, 28.8830

## Deuteranomaly

114.5910, -93.2140, 15.3140

## Tritanomaly

122.1550, -60.2920, 2.3640

# Monochromacy



## Original Color

129.5730, -57.2720, 35.7520

## Achromatopsia

130.0000, -0.0000, -0.0000

## Achromatomaly

129.7810, -20.7720, 13.0200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 129.5730, -57.2720, 35.7520 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(97, 122, 254)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 254)  
}
```

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(97, 122, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 254) }
```

## Border

The CSS property to change the border of an element to YIQ 129.5730, -57.2720, 35.7520 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(97, 122, 254) }
```



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

```
.border{ border-color:rgb(97, 122, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 122, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 254);  
box-shadow:4px 4px 4px 4px rgb(97, 122,  
254) }
```

# Background

The CSS property to change the background color of an element to YIQ 129.5730, -57.2720, 35.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 254) }
```

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

```
.background{ background-color: rgb(97, 122,  
254) }
```

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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