

# Converting Colors

YIQ(133.3360, -61.5790,  
20.1890)

Have a look what the booklet for  
YIQ(133.3360, -61.5790, 20.1890)  
contains.

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# Color

**YIQ(133.3360, -61.5790,  
20.1890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5789EC
RGB	87, 137, 236
RGB Percent	34%, 54%, 93%
CMY	0.6588, 0.4627, 0.0748
CMYK	0.63, 0.42, 0.00, 0.07
HSL	220°, 80%, 63%
HSV	220°, 63%, 93%
XYZ	28.0062, 25.9743, 82.8320
YIQ	133.3360, -61.5790, 20.1890

# Conversions

## Conversions Part 2

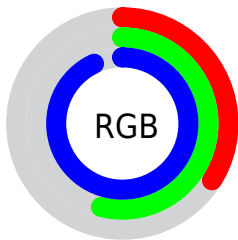
Format	Color
R <sub>Y</sub> B	87, 124, 236
Decimal	5736940
CIE Lab	58.01, 13.70, -54.97
CIE LCh	58, 56.649, 283.993
Yxy	25.9743, 0.2047, 0.1899
Android (android.graphics.Color)	4283927020 (0xFF5789EC)
YUV	133.3360, 50.6134, -40.6367
Hunter-Lab	50.9650, 8.9005, -60.6870

# Details

The YIQ color **133.3360, -61.5790, 20.1890** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **189.6640, 61.5790, -20.1890**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **185.1510, -45.3010, 11.5230**, and **72.0620, -81.6590, 9.6450** is the 20% darker color. If you saturate the color by 10%, you get **116.7680, -71.4830, 23.4690**, and if you desaturate by 10%, it is **149.9040, -51.6750, 16.9090**.

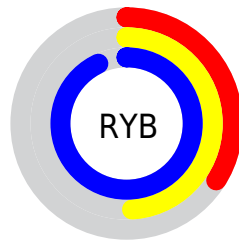
# Distribution



Red (34%)

Green (54%)

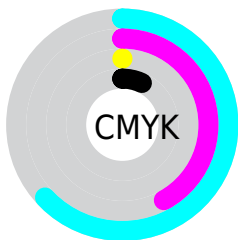
Blue (93%)



Red (34%)

Yellow (49%)

Blue (93%)

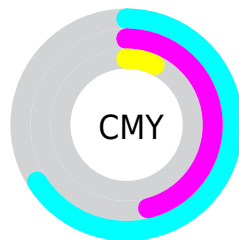


Cyan (63%)

Magenta (42%)

Yellow (0%)

Black (7%)



Cyan (66%)

Magenta (46%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.3360, -61.5790, 20.1890 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 133.3360, -61.5790, 20.1890 by changing the saturation by 10% instead.



■ 133.3360,  
-61.5790, 20.1890

■ 133.3360,  
-61.5790, 20.1890

■ 255.0000, -0.0000,  
-0.0000

■ 104.5910,  
-66.8510, 16.6130

■ 185.1510,  
-45.3010, 11.5230

■ 72.0620, -81.6590,  
9.6450

■ 210.5570,  
-35.1210, 3.2390

■ 55.4830, -66.6670,  
13.2770

■ 235.9630,  
-24.9410, -5.0450

■ 40.1920, -52.5460,  
16.1740

■ 250.2160, -9.5360,  
-3.3920

■ 26.0750, -38.9750,  
18.0250

■ 11.5990, -25.7710,  
21.0210

■ 8.2760, -17.7920,

14.0800

■ 4.5940, -10.1800,  
8.2840

■ 0.0000, 0.0000,  
0.0000

■ 133.3360,  
-61.5790, 20.1890

■ 133.3360,  
-61.5790, 20.1890

■ 116.7680,  
-71.4830, 23.4690

■ 149.9040,  
-51.6750, 16.9090

■ 101.0860,  
-81.0660, 26.4380

■ 165.5860,  
-42.0920, 13.9400

■ 84.5180, -90.9700,  
29.7180

■ 182.1540,  
-32.1880, 10.6600

■ 73.2770, -97.4810,  
32.0790

■ 198.4230,  
-22.8800, 7.1680

■ 214.4040,  
-12.7010, 4.4110

■ 230.9720, -2.7970,  
1.1310

■ 247.2410, 6.5110,  
-2.3610

■ 252.8340, 6.0990,  
-5.9090

# Harmonies

## Analogous

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



116.0140, -117.2350, -6.4110



133.3360, -61.5790, 20.1890



143.5740, 2.8810, 41.4170

# Triad

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



133.3360, -61.5790, 20.1890



136.1990, 77.3910, 12.6470



107.0470, -79.5850, -49.9930

# Complementary

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



133.3360, -61.5790, 20.1890



189.6640, 61.5790, -20.1890

# 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.



124.2940, -11.3170, -42.7170



133.3360, -61.5790, 20.1890



134.7940, 64.3290, -14.9590

# Square

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



133.3360, -61.5790, 20.1890



136.8130, 73.6270, 36.8190



130.9330, 35.3560, -35.0440



114.1490, -96.8270, -34.8670



# Rectangle

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



133.3360, -61.5790, 20.1890



142.7320, 34.7910, 46.8150



130.9330, 35.3560, -35.0440



106.4300, -70.5980, -53.1740

# Sweetspot

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



133.3360, -61.5790, 20.1890



221.8640, -19.8080, 6.5600



185.5210, -72.1120, -47.7600



107.2900, -12.3800, 4.1000



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.



133.3360, -61.5790, 20.1890



121.2710, -80.1490, 26.3390



110.5640, -34.7170, 51.0030



109.6020, -4.6310, 1.3290



56.4410, -74.8760, 24.3880



16.7220, -22.2840, 7.3800



# Inverse Universe

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



137.2510, 72.7540, 47.1380



126.4160, 94.7590, 61.3430



212.4360, 34.7170, -51.0030



109.7450, 5.2720, 3.5760



61.0730, 88.2950, 57.3430



18.1980, 26.4060, 17.0460



# Previews

## White Background



This preview shows how the YIQ color 133.3360, -61.5790, 20.1890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

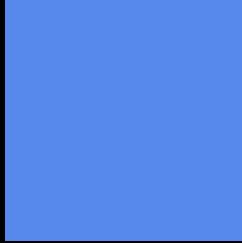
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.3360, -61.5790, 20.1890 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

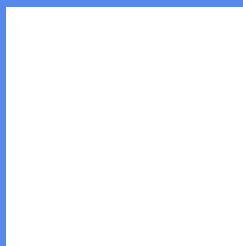
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 133.3360, -61.5790, 20.1890

## Background



This preview shows how black text looks on a background with the YIQ color 133.3360, -61.5790, 20.1890.



This preview shows how white text looks on a background with the YIQ color 133.3360, -61.5790,



# 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

133.3360, -61.5790, 20.1890

### Protanopia

134.9240, -54.4270, 22.7330

### Deuteranopia

129.6010, -72.8110, 14.4930



## Tritanopia

122.6850, -65.5610, -17.7930

# Trichromacy



## Original Color

133.3360, -61.5790, 20.1890

## Protanomaly

134.4290, -57.4070, 21.6730

## Deuteranomaly

131.1070, -68.3640, 16.5000

## Tritanomaly

126.9000, -64.1880, -4.1240

# Monochromacy



## Original Color

133.3360, -61.5790, 20.1890

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

132.7220, -22.2840, 7.3800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.3360, -61.5790, 20.1890 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(87, 137, 236)` looks like.

```
.text, #text, p{  
    color:rgb(87, 137, 236)  
}
```

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(87, 137, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 137, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 133.3360, -61.5790, 20.1890 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(87, 137, 236) }
```



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

```
.border{ border-color:rgb(87, 137, 236) }
```

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

Here you see how a box with a 4 pixel rgb(87, 137, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 137, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 137, 236);  
box-shadow:4px 4px 4px 4px rgb(87, 137,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.3360, -61.5790, 20.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 137, 236) }
```

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

```
.background{ background-color: rgb(87, 137,  
236) }
```

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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