

Converting Colors

YIQ(117.6000, -71.0700,
21.4900)

Have a look what the booklet for
YIQ(117.6000, -71.0700, 21.4900)
contains.

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Color

**YIQ(117.6000, -71.0700,
21.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7BE9
RGB	63, 123, 233
RGB Percent	25%, 48%, 91%
CMY	0.7530, 0.5175, 0.0866
CMYK	0.73, 0.47, 0.00, 0.09
HSL	219°, 79%, 58%
HSV	219°, 73%, 91%
XYZ	23.8294, 21.1062, 79.8386
YIQ	117.6000, -71.0700, 21.4900

Conversions

Conversions Part 2

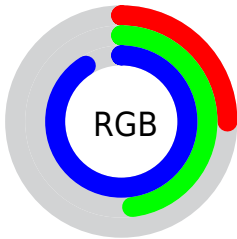
Format	Color
R _Y B	63, 107, 233
Decimal	4160489
CIE Lab	53.07, 17.58, -61.27
CIE LCh	53, 63.744, 286.012
Yxy	21.1062, 0.1910, 0.1692
Android (android.graphics.Color)	4282350569 (0xFF3F7BE9)
YUV	117.6000, 56.8922, -47.8842
Hunter-Lab	45.9415, 12.1886, -70.8770

Details

The YIQ color **117.6000, -71.0700, 21.4900** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **178.4000, 71.0700, -21.4900**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.9640, -51.9040, 15.5520**, and **64.0890, -77.1210, 15.5110** is the 20% darker color. If you saturate the color by 10%, you get **101.9180, -80.6530, 24.4590**, and if you desaturate by 10%, it is **133.2820, -61.4870, 18.5210**.

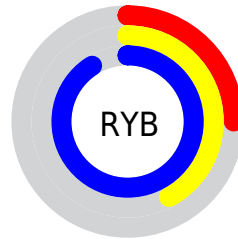
Distribution



Red (25%)

Green (48%)

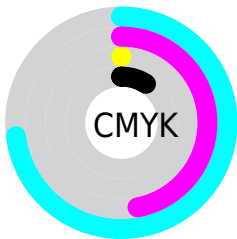
Blue (91%)



Red (25%)

Yellow (42%)

Blue (91%)

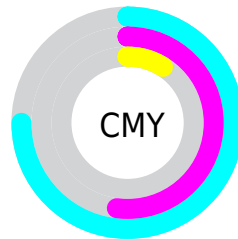


Cyan (73%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (75%)

Magenta (52%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.6000, -71.0700, 21.4900 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 117.6000, -71.0700, 21.4900 by changing the saturation by 10% instead.

■ 117.6000,
-71.0700, 21.4900

■ 117.6000,
-71.0700, 21.4900

■ 255.0000, -0.0000,
-0.0000

■ 81.3690, -92.7090,
11.6670

■ 170.9640,
-51.9040, 15.5520

■ 64.0890, -77.1210,
15.5110

■ 196.0820,
-40.8530, 8.0030

■ 48.6840, -62.6790,
18.0970

■ 221.4880,
-30.6730, -0.2810

■ 33.9800, -48.8330,
20.4710

■ 245.4320,
-19.0720, -6.7840

■ 18.1020, -34.4370,
23.8910

■ 254.7010, -0.5960,
-0.2120

■ 12.9040, -25.3120,
18.2080

■ 7.9340, -16.8290,

13.1470

■ 3.6650, -8.9420,
7.8740

■ 0.0000, 0.0000,
0.0000

■ 117.6000,
-71.0700, 21.4900

■ 117.6000,
-71.0700, 21.4900

■ 101.9180,
-80.6530, 24.4590

■ 133.2820,
-61.4870, 18.5210

■ 85.9370, -90.8320,
27.2160

■ 149.2630,
-51.3080, 15.7640

■ 74.6960, -97.3430,
29.5770

■ 164.9450,
-41.7250, 12.7950

■ 180.6270,
-32.1420, 9.8260

■ 196.3090,
-22.5590, 6.8570

■ 212.2900,
-12.3800, 4.1000

■ 227.9720, -2.7970,
1.1310

■ 244.2410, 6.5110,
-2.3610

■ 252.4920, 7.0620,
-6.8420

Harmonies

Analogous

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



108.7420, -113.2930, -0.7570



117.6000, -71.0700, 21.4900



130.4160, 6.5020, 47.3820

Triad

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



117.6000, -71.0700, 21.4900



121.4940, 83.8100, 11.9540



99.2220, -72.7080, -47.9720

Complementary

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



117.6000, -71.0700, 21.4900



178.4000, 71.0700, -21.4900

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.



106.4730, -19.4310, -49.8550



117.6000, -71.0700, 21.4900



119.2320, 71.4830, -23.4690

Square

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



117.6000, -71.0700, 21.4900



119.4660, 82.1540, 41.9780



115.4460, 37.9250, -43.0590



106.8940, -91.5550, -31.2910

Rectangle

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



117.6000, -71.0700, 21.4900



126.3680, 41.9880, 54.0520



115.4460, 37.9250, -43.0590



96.4690, -66.3340, -53.3580

Sweetspot

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



117.6000, -71.0700, 21.4900



217.1240, -23.4760, 6.9560



175.1020, -81.4180, -55.3220



104.9200, -14.2140, 4.2980



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.



117.6000, -71.0700, 21.4900



102.9090, -93.6290, 28.3470



89.2570, -40.8620, 57.7460



109.6020, -4.6310, 1.3290



58.2020, -75.7010, 22.8190



17.3090, -22.5590, 6.8570

Inverse Universe

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



120.6700, 82.0600, 54.7000



106.9820, 108.1450, 72.0570



206.7430, 40.8620, -57.7460



109.7450, 5.2720, 3.5760



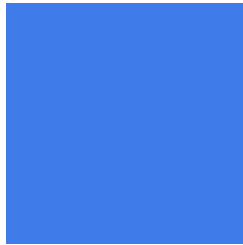
61.4150, 87.3320, 58.2760



18.3120, 26.0850, 17.3570

Previews

White Background



This preview shows how the YIQ color 117.6000, -71.0700, 21.4900 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 117.6000, -71.0700, 21.4900 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

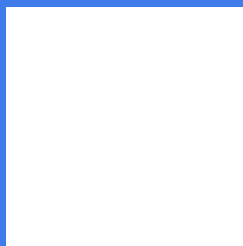
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 117.6000, -71.0700, 21.4900

Background



This preview shows how black text looks on a background with the YIQ color 117.6000, -71.0700, 21.4900.



This preview shows how white text looks on a background with the YIQ color 117.6000, -71.0700,

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

117.6000, -71.0700, 21.4900

Protanopia

118.9920, -66.3020, 23.1860

Deuteranopia

100.9000, -107.7460, 3.3420



Tritanopia

99.2800, -86.6500, -26.5700

Trichromacy



Original Color

117.6000, -71.0700, 21.4900

Protanomaly

118.0950, -68.0900, 22.5500

Deuteranomaly

106.9450, -94.4510, 10.1970

Tritanomaly

106.0550, -80.9220, -9.2260

Monochromacy



Original Color

117.6000, -71.0700, 21.4900

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9820, -25.9520, 7.7760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.6000, -71.0700, 21.4900 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(63, 123, 233)` looks like.

```
.text, #text, p{  
    color:rgb(63, 123, 233)  
}
```

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(63, 123, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 123, 233) }
```

Border

The CSS property to change the border of an element to YIQ 117.6000, -71.0700, 21.4900 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(63, 123, 233) }
```


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

```
.border{ border-color:rgb(63, 123, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 123, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 123, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 123, 233);  
box-shadow:4px 4px 4px 4px rgb(63, 123,  
233) }
```

Background

The CSS property to change the background color of an element to YIQ 117.6000, -71.0700, 21.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 123, 233) }
```

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

```
.background{ background-color: rgb(63, 123,  
233) }
```

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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