

Converting Colors

YIQ(119.6100, -77.0300,
19.3700)

Have a look what the booklet for
YIQ(119.6100, -77.0300, 19.3700)
contains.

YIQ(119.6100, -77.0300, 19.3700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(119.6100, -77.0300,
19.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	3A80EE
RGB	58, 128, 238
RGB Percent	23%, 50%, 93%
CMY	0.7726, 0.4979, 0.0671
CMYK	0.76, 0.46, 0.00, 0.07
HSL	217°, 84%, 58%
HSV	217°, 76%, 93%
XYZ	24.8845, 22.5121, 83.8459
YIQ	119.6100, -77.0300, 19.3700

Conversions

Conversions Part 2

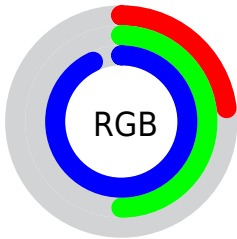
Format	Color
R_{YB}	58, 108, 238
Decimal	3834094
CIE Lab	54.57, 15.70, -61.65
CIE LCh	55, 63.619, 284.288
Yxy	22.5121, 0.1896, 0.1715
Android (android.graphics.Color)	4282024174 (0xFF3A80EE)
YUV	119.6100, 58.3663, -54.0320
Hunter-Lab	47.4469, 10.5859, -71.5616

Details

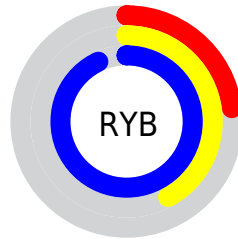
The YIQ color **119.6100, -77.0300, 19.3700** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **176.3900, 77.0300, -19.3700**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **173.0020, -55.0670, 12.3010**, and **67.5940, -80.1010, 14.4510** is the 20% darker color. If you saturate the color by 10%, you get **104.2160, -87.4840, 21.6040**, and if you desaturate by 10%, it is **135.5910, -66.8510, 16.6130**.

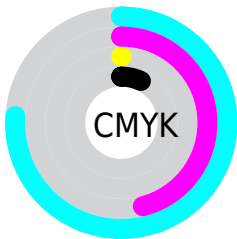
Distribution



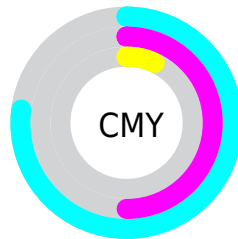
- Red (23%)
- Green (50%)
- Blue (93%)



- Red (23%)
- Yellow (42%)
- Blue (93%)



- Cyan (76%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)



- Cyan (77%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 119.6100, -77.0300, 19.3700 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 119.6100, -77.0300, 19.3700 by changing the saturation by 10% instead.

■ 119.6100,
-77.0300, 19.3700

■ 119.6100,
-77.0300, 19.3700

■ 255.0000, -0.0000,
-0.0000

■ 84.2870, -95.4140,
11.1300

■ 173.0020,
-55.0670, 12.3010

■ 67.5940, -80.1010,
14.4510

■ 199.0060,
-43.6950, 4.4410

■ 51.6020, -65.3840,
17.5600

■ 224.7110,
-32.9190, -3.6310

■ 36.7840, -51.2170,
19.6230

■ 244.8340,
-20.2640, -7.2080

■ 22.6670, -37.6460,
21.4740

■ 254.1030, -1.7880,
-0.6360

■ 14.0610, -27.1920,
19.2400

■ 8.9770, -18.3880,

13.8680

■ 4.7080, -10.5010,
8.5950

■ 0.1140, -0.3210,
0.3110

■ 119.6100,
-77.0300, 19.3700

■ 119.6100,
-77.0300, 19.3700

■ 104.2160,
-87.4840, 21.6040

■ 135.5910,
-66.8510, 16.6130

■ 88.2350, -97.6630,
24.3610

■ 150.9850,
-56.3970, 14.3790

■ 81.7230,
-101.9730, 25.3790

■ 166.6670,
-46.8140, 11.4100

■ 182.0610,
-36.3600, 9.1760

■ 198.0420,
-26.1810, 6.4190

■ 213.4360,
-15.7270, 4.1850

■ 229.4170, -5.5480,
1.4280

■ 244.5120, 4.3100,
-1.0180

■ 253.0620, 5.4570,
-5.2870

Harmonies

Analogous

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



112.1330, -115.9520, -2.1280



119.6100, -77.0300, 19.3700



134.0350, 3.2010, 46.6330

Triad

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



119.6100, -77.0300, 19.3700



125.1460, 84.9100, 14.0460



101.6840, -74.1290, -49.7530

Complementary

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



119.6100, -77.0300, 19.3700



176.3900, 77.0300, -19.3700

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.



111.9250, -14.8920, -49.5160



119.6100, -77.0300, 19.3700



122.4990, 75.1050, -23.0310

Square

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



119.6100, -77.0300, 19.3700



123.8080, 81.1910, 42.9110



119.3000, 41.2720, -43.1440



109.3560, -92.9760, -33.0720

Rectangle

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



119.6100, -77.0300, 19.3700



131.2860, 39.2830, 53.5150



119.3000, 41.2720, -43.1440



98.3440, -67.4800, -54.6160

Sweetspot

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



119.6100, -77.0300, 19.3700



216.2270, -25.2640, 6.3200



175.9720, -84.1680, -60.5520



104.3220, -15.4060, 3.8740



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.



119.6100, -77.0300, 19.3700



102.2780, -99.2220, 25.0820



83.9020, -47.0520, 59.7960



112.3030, -5.2270, 1.1170



62.6530, -78.5890, 20.0910



19.2980, -24.0260, 5.9100

Inverse Universe

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



119.8000, 84.8100, 59.9300



102.6280, 109.3820, 77.1740



212.0980, 47.0520, -59.7960



112.1580, 5.5470, 4.0990



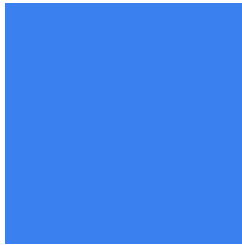
63.1100, 86.8730, 61.0890



19.2520, 26.3140, 18.7140

Previews

White Background



This preview shows how the YIQ color 119.6100, -77.0300, 19.3700 looks on a white background.

Color Contrast Check

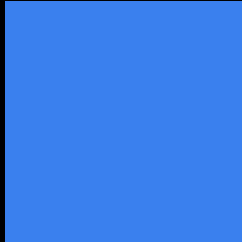
Large Text (above 18pt) WCAG AA ✓ Pass

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 119.6100, -77.0300, 19.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

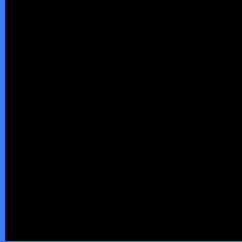
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

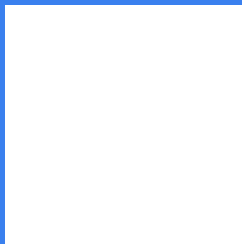
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 119.6100, -77.0300, 19.3700

Background



This preview shows how black text looks on a background with the YIQ color 119.6100, -77.0300, 19.3700.



This preview shows how white text looks on a background with the YIQ color 119.6100, -77.0300,

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

119.6100, -77.0300, 19.3700

Protanopia

123.2910, -65.7060, 23.3980

Deuteranopia

104.1600, -111.4140, 3.7380



Tritanopia

102.1980, -89.3550, -27.1070

Trichromacy



Original Color

119.6100, -77.0300, 19.3700

Protanomaly

122.1980, -69.8780, 21.9140

Deuteranomaly

109.9660, -98.9440, 9.0240

Tritanomaly

108.3750, -84.8190, -10.1870

Monochromacy



Original Color

119.6100, -77.0300, 19.3700

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.7860, -28.3360, 6.9280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 119.6100, -77.0300, 19.3700 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(58, 128, 238)` looks like.

```
.text, #text, p{  
    color:rgb(58, 128, 238)  
}
```

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(58, 128, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 128, 238) }
```

Border

The CSS property to change the border of an element to YIQ 119.6100, -77.0300, 19.3700 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(58, 128, 238) }
```


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

```
.border{ border-color:rgb(58, 128, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 128, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 128, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 128, 238);  
box-shadow:4px 4px 4px 4px rgb(58, 128,  
238) }
```

Background

The CSS property to change the background color of an element to YIQ 119.6100, -77.0300, 19.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 128, 238) }
```

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

```
.background{ background-color: rgb(58, 128,  
238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor