

Converting Colors

YIQ(96.5780, -55.6680, 39.7240)

Have a look what the booklet for
YIQ(96.5780, -55.6680, 39.7240)
contains.

YIQ(96.5780, -55.6680, 39.7240)	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(96.5780, -55.6680,
39.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	4456E2
RGB	68, 86, 226
RGB Percent	27%, 34%, 89%
CMY	0.7332, 0.6627, 0.1141
CMYK	0.70, 0.62, 0.00, 0.11
HSL	233°, 73%, 58%
HSV	233°, 70%, 89%
XYZ	19.4290, 13.3726, 73.4482
YIQ	96.5780, -55.6680, 39.7240

Conversions

Conversions Part 2

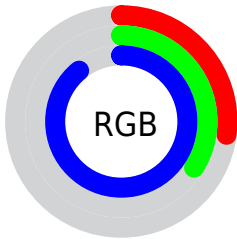
Format	Color
R _Y B	68, 84, 226
Decimal	4478690
CIE Lab	43.32, 38.85, -73.13
CIE LCh	43, 82.808, 297.980
Yxy	13.3726, 0.1829, 0.1259
Android (android.graphics.Color)	4282668770 (0xFF4456E2)
YUV	96.5780, 63.8050, -25.0629
Hunter-Lab	36.5685, 30.8431, -93.4866

Details

The YIQ color **96.5780, -55.6680, 39.7240** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **197.4220, 55.6680, -39.7240**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **149.2670, -38.7950, 36.7970**, and **43.3330, -65.5240, 31.1160** is the 20% darker color. If you saturate the color by 10%, you get **77.9610, -63.8760, 45.3080**, and if you desaturate by 10%, it is **115.1950, -47.4600, 34.1400**.

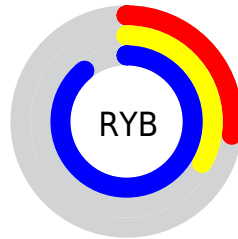
Distribution



Red (27%)

Green (34%)

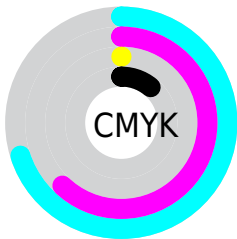
Blue (89%)



Red (27%)

Yellow (33%)

Blue (89%)

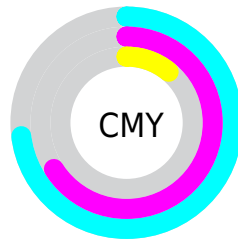


Cyan (70%)

Magenta (62%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (66%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 96.5780, -55.6680, 39.7240 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 96.5780, -55.6680, 39.7240 by changing the saturation by 10% instead.

■ 96.5780, -55.6680,
39.7240

■ 96.5780, -55.6680,
39.7240

■ 255.0000, -0.0000,
-0.0000

■ 64.2230, -71.0260,
31.7100

■ 149.2670,
-38.7950, 36.7970

■ 43.3330, -65.5240,
31.1160

■ 173.7980,
-27.4690, 29.7710

■ 28.5150, -51.3570,
33.1790

■ 198.6170,
-17.0140, 22.0100

■ 13.8110, -37.5110,
35.5530

■ 224.3220, -6.2380,
13.9380

■ 13.1950, -30.2650,
25.3750

■ 249.1300, 2.7500,
5.2300

■ 11.5190, -22.7900,
16.5540

■ 6.5490, -14.3070,

11.4930

■ 2.9810, -7.0160,
6.0080

■ 0.0000, 0.0000,
0.0000

■ 96.5780, -55.6680,
39.7240

■ 96.5780, -55.6680,
39.7240

■ 77.9610, -63.8760,
45.3080

■ 115.1950,
-47.4600, 34.1400

■ 59.6430, -71.4880,
51.1040

■ 133.5130,
-39.8480, 28.3440

■ 41.0260, -79.6960,
56.6880

■ 152.1300,
-31.6400, 22.7600

■ 170.4480,
-24.0280, 16.9640

■ 189.0650,
-15.8200, 11.3800

■ 207.6820, -7.6120,
5.7960

■ 226.0000, -0.0000,
0.0000

■ 244.6170, 8.2080,
-5.5840

■ 251.6940, 9.3090,
-9.0190

Harmonies

Analogous

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



94.5060, -109.0320, 15.6400



96.5780, -55.6680, 39.7240



90.8850, 39.8750, 75.8350

Triad

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



96.5780, -55.6680, 39.7240



91.9750, 89.4050, 4.1650



86.6670, -66.2910, -37.6110

Complementary

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



96.5780, -55.6680, 39.7240



197.4220, 55.6680, -39.7240

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.



74.8570, -38.5480, -61.3320



96.5780, -55.6680, 39.7240



96.0970, 49.9340, -23.9060

Square

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



96.5780, -55.6680, 39.7240



67.9910, 111.9530, 58.1050



86.0320, 3.8600, -47.9480



95.2340, -89.0360, -16.3640

Rectangle

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



96.5780, -55.6680, 39.7240



76.7560, 80.0830, 85.0350



86.0320, 3.8600, -47.9480



83.2300, -57.9910, -44.8630

Sweetspot

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



96.5780, -55.6680, 39.7240



211.2650, -19.2590, 13.1330



176.5920, -88.0690, -39.4050



101.4090, -11.0970, 8.3830



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.



96.5780, -55.6680, 39.7240



79.4840, -75.2940, 54.0020



104.2510, -14.3620, 62.0700



102.8410, -3.8060, 2.8980



31.8040, -61.9960, 44.2760



8.9940, -17.0580, 11.7900

Inverse Universe

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



117.2940, 88.3900, 39.0940



107.7220, 119.8400, 52.8320



189.7490, 14.3620, -62.0700



104.4030, 6.2350, 2.6430



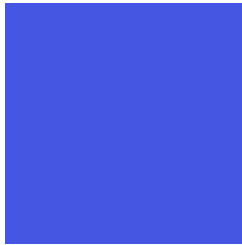
54.9040, 98.4760, 43.5320



15.0360, 26.6820, 12.0420

Previews

White Background



This preview shows how the YIQ color 96.5780, -55.6680, 39.7240 looks on a white background.

Color Contrast Check

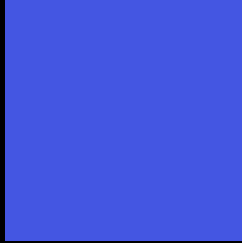
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 96.5780, -55.6680, 39.7240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

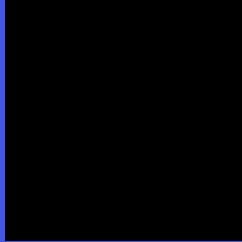
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 96.5780, -55.6680, 39.7240

Background



This preview shows how black text looks on a background with the YIQ color 96.5780, -55.6680, 39.7240.



This preview shows how white text looks on a background with the YIQ color 96.5780, -55.6680,

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

96.5780, -55.6680, 39.7240

Protanopia

81.1240, -93.3970, 13.1230

Deuteranopia

81.3400, -85.7380, 0.9660



Tritanopia

80.1250, -69.9160, -21.4680

Trichromacy



Original Color

96.5780, -55.6680, 39.7240

Protanomaly

87.0490, -79.6440, 22.6920

Deuteranomaly

86.6440, -74.3700, 15.2140

Tritanomaly

86.0620, -64.4640, 0.8800

Monochromacy



Original Color

96.5780, -55.6680, 39.7240

Achromatopsia

97.0000, -0.0000, 0.0000

Achromatomaly

96.7210, -20.5430, 14.3770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 96.5780, -55.6680, 39.7240 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(68, 86, 226)` looks like.

```
.text, #text, p{  
    color:rgb(68, 86, 226)  
}
```

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(68, 86, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 86, 226) }
```

Border

The CSS property to change the border of an element to YIQ 96.5780, -55.6680, 39.7240 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(68, 86, 226) }
```


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

```
.border{ border-color:rgb(68, 86, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 86, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 86, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 86, 226);  
box-shadow:4px 4px 4px 4px rgb(68, 86,  
226) }
```

Background

The CSS property to change the background color of an element to YIQ 96.5780, -55.6680, 39.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 86, 226) }
```

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

```
.background{ background-color: rgb(68, 86,  
226) }
```

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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