

Converting Colors

YIQ(159.3160, -9.5240,
-69.7160)

Have a look what the booklet for
YIQ(159.3160, -9.5240, -69.7160)
contains.

YIQ(159.3160, -9.5240, -69.7160)	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(159.3160, -9.5240,
-69.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	6BCF33
RGB	107, 207, 51
RGB Percent	42%, 81%, 20%
CMY	0.5807, 0.1881, 0.7999
CMYK	0.48, 0.00, 0.75, 0.19
HSL	99°, 62%, 51%
HSV	99°, 75%, 81%
XYZ	28.9741, 48.0055, 10.8733
YIQ	159.3160, -9.5240, -69.7160

Conversions

Conversions Part 2

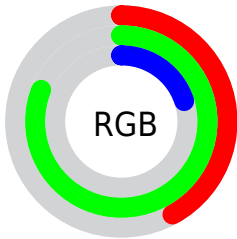
Format	Color
RYB	51, 207, 151
Decimal	7065395
CIELab	74.83, -55.00, 63.81
CIElCh	75, 84.240, 130.756
Yxy	48.0055, 0.3298, 0.5464
Android (android.graphics.Color)	4285255475 (0xFF6BCF33)
YUV	159.3160, -53.3998, -45.8811
Hunter-Lab	69.2860, -46.6053, 39.1956

Details

The YIQ color **159.3160, -9.5240, -69.7160** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **98.6840, 9.5240, 69.7160**, and the grayscale version is **160.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **211.6310, -5.8570, -64.5850**, and **101.7820, -16.7680, -70.5920** is the 20% darker color. If you saturate the color by 10%, you get **153.0350, -10.5310, -79.0030**, and if you desaturate by 10%, it is **165.5970, -8.5170, -60.4290**.

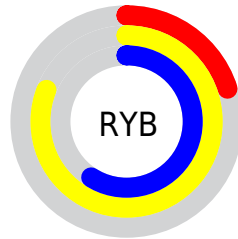
Distribution



Red (42%)

Green (81%)

Blue (20%)



Red (20%)

Yellow (81%)

Blue (59%)

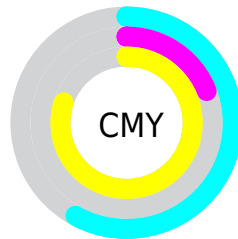


Cyan (48%)

Magenta (0%)

Yellow (75%)

Black (19%)



Cyan (58%)

Magenta (19%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.3160, -9.5240, -69.7160 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 159.3160, -9.5240, -69.7160 by changing the saturation by 10% instead.

■ 159.3160, -9.5240,
-69.7160

■ 159.3160, -9.5240,
-69.7160

■ 255.0000, -0.0000,
-0.0000

■ 129.1650, -7.7810,
-73.7730

■ 211.6310, -5.8570,
-64.5850

■ 101.7820,
-16.7680, -70.5920

■ 223.4940, 2.4390,
-49.7290

■ 73.3750, -34.3750,
-65.3750

■ 235.6560, 11.3310,
-34.6610

■ 58.1130, -27.2250,
-51.7770

■ 247.9320, 19.9020,
-19.2820

■ 43.4380, -20.3500,
-38.7020

■ 251.2380, 10.5930,
-10.2630

■ 29.9370, -14.0250,
-26.6730

■ 254.5440, 1.2840,

■ 15.2620, -7.1500,

-1.2440

-13.5980

■ 0.0000, 0.0000,
0.0000

■ 159.3160, -9.5240,
-69.7160

■ 159.3160, -9.5240,
-69.7160

■ 153.0350,
-10.5310, -79.0030

■ 165.5970, -8.5170,
-60.4290

■ 146.5690,
-12.4550, -88.1910

■ 171.7640, -7.1890,
-51.4530

■ 143.6350,
-12.8210, -92.5730

■ 178.3440, -5.5860,
-41.9540

■ 184.6250, -4.5790,
-32.6670

■ 190.9060, -3.5720,
-23.3800

■ 197.3720, -1.6480,
-14.1920

■ 203.6530, -0.6410,
-4.9050

■ 209.9340, 0.3660,
4.3820

■ 216.4000, 2.2900,
13.5700

Harmonies

Analogous

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



168.9490, 63.6490, -57.7190



159.3160, -9.5240, -69.7160



141.6120, -101.1300, -72.5380

Triad

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



159.3160, -9.5240, -69.7160



149.9920, -138.5050, -28.4330



153.7720, 72.8450, 50.9970

Complementary

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



159.3160, -9.5240, -69.7160



98.6840, 9.5240, 69.7160

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.



169.5940, 44.8280, 68.6680



159.3160, -9.5240, -69.7160



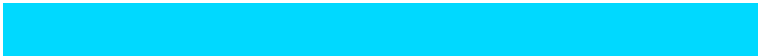
137.0780, -132.4550, -16.9270

Square

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



159.3160, -9.5240, -69.7160



156.4490, -141.5300, -34.1860



183.4980, 9.2070, 47.9190



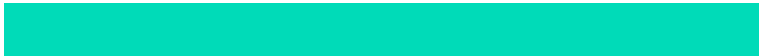
160.5980, 89.4490, 14.3850

Rectangle

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



159.3160, -9.5240, -69.7160



149.5290, -119.2890, -57.3130



183.4980, 9.2070, 47.9190



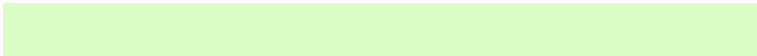
156.1490, 64.7740, 59.6060

Sweetspot

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



159.3160, -9.5240, -69.7160



236.9120, -3.7090, -26.4050



155.7570, 65.7510, -18.7050



117.0190, -2.1520, -16.0720



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.



159.3160, -9.5240, -69.7160



184.8270, -13.7820, -102.6940



144.9660, -49.6410, -75.0570



101.6530, -0.6410, -4.9050



116.5560, -10.4400, -75.1440



28.5520, -2.3350, -18.2630

Inverse Universe

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



98.6840, 9.5240, 69.7160



95.4720, 14.3780, 102.9060



113.0340, 49.6410, 75.0570



97.3470, 0.6410, 4.9050



51.4440, 10.4400, 75.1440



12.4480, 2.3350, 18.2630

Previews

White Background



This preview shows how the YIQ color 159.3160, -9.5240, -69.7160 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 159.3160, -9.5240, -69.7160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

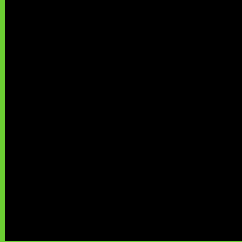
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 159.3160, -9.5240, -69.7160

Background



This preview shows how black text looks on a background with the YIQ color 159.3160, -9.5240, -69.7160.



This preview shows how white text looks on a background with the YIQ color 159.3160, -9.5240,

-69.7160.

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

159.3160, -9.5240, -69.7160

Protanopia

174.1450, 58.0060, -38.0420

Deuteranopia

177.7200, 67.1730, -22.4510



Tritanopia

176.8840, -40.8960, -7.7440

Trichromacy



Original Color

159.3160, -9.5240, -69.7160



Protanomaly

168.8920, 33.4330, -49.7590



Deuteranomaly

171.0380, 39.2540, -39.6100



Tritanomaly

170.6300, -29.3380, -29.9940

Monochromacy



Original Color

159.3160, -9.5240, -69.7160



Achromatopsia

159.0000, -0.0000, 0.0000



Achromatomaly

158.8520, -3.4800, -25.0480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.3160, -9.5240, -69.7160 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(107, 207, 51)` looks like.

```
.text, #text, p{  
    color:rgb(107, 207, 51)  
}
```

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(107, 207, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 207, 51) }
```

Border

The CSS property to change the border of an element to YIQ 159.3160, -9.5240, -69.7160 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(107, 207, 51) }
```


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

```
.border{ border-color:rgb(107, 207, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 207, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 207, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 207, 51);  
box-shadow:4px 4px 4px 4px rgb(107, 207,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 159.3160, -9.5240, -69.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 207, 51) }
```

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

```
.background{ background-color: rgb(107,  
207, 51) }
```

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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