

# Converting Colors

YIQ(159.6460, -36.5760,  
-64.0320)

Have a look what the booklet for  
YIQ(159.6460, -36.5760, -64.0320)  
contains.

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# Color

**YIQ(159.6460, -36.5760,  
-64.0320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55D35B
RGB	85, 211, 91
RGB Percent	33%, 83%, 36%
CMY	0.6670, 0.1723, 0.6432
CMYK	0.60, 0.00, 0.57, 0.17
HSL	123°, 59%, 58%
HSV	123°, 60%, 83%
XYZ	28.9327, 49.2966, 17.8848
YIQ	159.6460, -36.5760, -64.0320

# Conversions

## Conversions Part 2

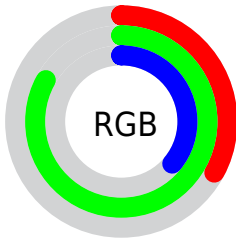
Format	Color
<b>RYB</b>	85, 205, 211
Decimal	5624667
CIELab	75.64, -58.63, 48.46
CIELCh	76, 76.068, 140.426
Yxy	49.2966, 0.3010, 0.5129
Android (android.graphics.Color)	4283814747 (0xFF55D35B)
YUV	159.6460, -33.8425, -65.4645
Hunter-Lab	70.2116, -49.3140, 34.0453

# Details

The YIQ color **159.6460, -36.5760, -64.0320** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **136.3540, 36.5760, 64.0320**, and the grayscale version is **160.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **209.7550, -29.3330, -57.6290**, and **95.3170, -54.8230, -69.2470** is the 20% darker color. If you saturate the color by 10%, you get **151.0870, -42.6720, -74.7040**, and if you desaturate by 10%, it is **168.2050, -30.4800, -53.3600**.

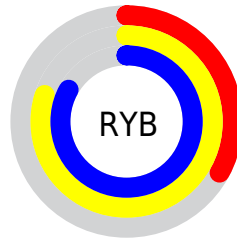
# Distribution



Red (33%)

Green (83%)

Blue (36%)



Red (33%)

Yellow (80%)

Blue (83%)

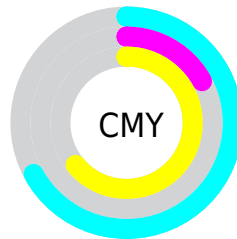


Cyan (60%)

Magenta (0%)

Yellow (57%)

Black (17%)



Cyan (67%)

Magenta (17%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.6460, -36.5760, -64.0320 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 159.6460, -36.5760, -64.0320 by changing the saturation by 10% instead.



■ 159.6460,  
-36.5760, -64.0320

■ 159.6460,  
-36.5760, -64.0320

■ 255.0000, -0.0000,  
-0.0000

■ 129.7810,  
-41.3900, -64.8940

■ 209.7550,  
-29.3330, -57.6290

■ 95.3170, -54.8230,  
-69.2470

■ 221.6180,  
-21.0370, -42.7730

■ 75.4780, -36.1630,  
-66.0110

■ 233.7800,  
-12.1450, -27.7050

■ 59.8740, -28.0500,  
-53.3460

■ 245.9420, -3.2530,  
-12.6370

■ 45.1990, -21.1750,  
-40.2710

■ 31.1110, -14.5750,  
-27.7190

■ 16.4360, -7.7000,

-14.6440

■ 0.0000, 0.0000,  
0.0000

■ 159.6460,  
-36.5760, -64.0320

■ 159.6460,  
-36.5760, -64.0320

■ 151.0870,  
-42.6720, -74.7040

■ 168.2050,  
-30.4800, -53.3600

■ 142.5280,  
-48.7680, -85.3760

■ 176.7640,  
-24.3840, -42.6880

■ 133.9690,  
-54.8640, -96.0480

■ 185.3230,  
-18.2880, -32.0160

■ 125.1110,  
-61.5560, -106.9320

■ 193.8820,  
-12.1920, -21.3440

■ 124.9970,  
-61.2350, -107.2430

■ 202.4410, -6.0960,  
-10.6720

■ 211.4130, 0.2750,  
0.5230

■ 219.9720, 6.3710,  
11.1950

■ 228.5310, 12.4670,  
21.8670

■ 229.1720, 12.1000,  
23.0120

# Harmonies

## Analogous

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



171.6120, 39.8530, -55.9790



159.6460, -36.5760, -64.0320



146.3200, -111.6310, -63.9430

# Triad

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



159.6460, -36.5760, -64.0320



147.0570, -137.1300, -25.8180



163.4600, 73.1230, 34.9390

# Complementary

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



159.6460, -36.5760, -64.0320



136.3540, 36.5760, 64.0320

# 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.



170.8530, 50.9280, 57.2320



159.6460, -36.5760, -64.0320



175.4270, -45.8980, 16.8380

# Square

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



159.6460, -36.5760, -64.0320



154.6880, -140.7050, -32.6170



189.2230, 26.3990, 55.7350



170.9530, 86.4710, 2.2710

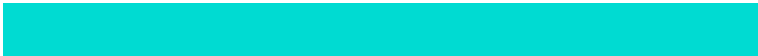


# Rectangle

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



159.6460, -36.5760, -64.0320



152.4930, -127.6350, -49.2270



189.2230, 26.3990, 55.7350



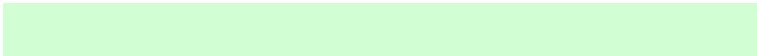
163.7340, 66.8400, 44.1840

# Sweetspot

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



159.6460, -36.5760, -64.0320



236.2300, -13.2920, -23.4360



195.4400, 38.0620, -40.0340



116.2510, -8.6170, -14.5450



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.



159.6460, -36.5760, -64.0320



180.0340, -53.4890, -93.4330



166.6000, -56.1570, -45.0610



100.5710, -3.3460, -5.4420



99.5280, -48.7680, -85.3760



24.2950, -11.9170, -20.8210



# Inverse Universe

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



136.3540, 36.5760, 64.0320



145.9660, 53.4890, 93.4330



129.4000, 56.1570, 45.0610



98.4290, 3.3460, 5.4420



68.4720, 48.7680, 85.3760



16.7050, 11.9170, 20.8210



# Previews

## White Background



This preview shows how the YIQ color 159.6460, -36.5760, -64.0320 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 159.6460, -36.5760, -64.0320 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 159.6460, -36.5760, -64.0320 Background



This preview shows how black text looks on a background with the YIQ color 159.6460, -36.5760, -64.0320.



This preview shows how white text looks on a background with the YIQ color 159.6460, -36.5760, -64.0320.

-64.0320.

# 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

159.6460, -36.5760, -64.0320

### Protanopia

179.3520, 44.6620, -27.4820

### Deuteranopia

182.4000, 53.8750, -12.7250



## **Tritanopia**

175.0070, -54.6040, -12.6200

# Trichromacy



## Original Color

159.6460, -36.5760, -64.0320



## Protanomaly

171.8210, 15.0000, -40.5840



## Deuteranomaly

174.3260, 21.1880, -31.5800



## Tritanomaly

169.5230, -48.0900, -31.5620

# Monochromacy



## Original Color

159.6460, -36.5760, -64.0320



## Achromatopsia

160.0000, 0.0000, -0.0000



## Achromatomaly

160.2300, -13.2920, -23.4360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.6460, -36.5760, -64.0320 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(85, 211, 91)` looks like.

```
.text, #text, p{  
    color:rgb(85, 211, 91)  
}
```

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(85, 211, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 211, 91) }
```

## Border

The CSS property to change the border of an element to YIQ 159.6460, -36.5760, -64.0320 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(85, 211, 91) }
```



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

```
.border{ border-color:rgb(85, 211, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 211, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 211, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 211, 91);  
box-shadow:4px 4px 4px 4px rgb(85, 211,  
91) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.6460, -36.5760, -64.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 211, 91) }
```

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

```
.background{ background-color: rgb(85, 211,  
91) }
```

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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