

# Converting Colors

YIQ(195.3950, 15.5990,  
-56.9530)

Have a look what the booklet for  
YIQ(195.3950, 15.5990, -56.9530)  
contains.

<b>YIQ(195.3950, 15.5990, -56.9530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(195.3950, 15.5990,  
-56.9530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">AFE451</a>
RGB	175, 228, 81
RGB Percent	69%, 89%, 32%
CMY	0.3139, 0.1058, 0.6822
CMYK	0.23, 0.00, 0.64, 0.11
HSL	82°, 73%, 61%
HSV	82°, 64%, 89%
XYZ	46.9031, 65.2011, 17.9064
YIQ	195.3950, 15.5990, -56.9530

# Conversions

## Conversions Part 2

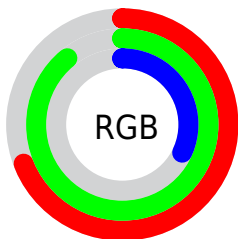
Format	Color
<a href="#">RYB</a>	<a href="#">81, 228, 134</a>
Decimal	<a href="#">11527249</a>
CIELab	<a href="#">84.59, -38.45, 63.85</a>
CIELCh	<a href="#">85, 74.534, 121.056</a>
Yxy	<a href="#">65.2011, 0.3608, 0.5015</a>
Android (android.graphics.Color)	<a href="#">4289717329 (0xFFAFE451)</a>
YUV	<a href="#">195.3950, -56.3967, -17.8864</a>
Hunter-Lab	<a href="#">80.7472, -37.6236, 43.3750</a>

# Details

The YIQ color **195.3950, 15.5990, -56.9530** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **113.6050, -15.5990, 56.9530**, and the grayscale version is **196.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **234.8560, 25.0870, -41.6730**, and **137.9560, 18.2130, -60.2750** is the 20% darker color. If you saturate the color by 10%, you get **190.3810, 18.2140, -65.8020**, and if you desaturate by 10%, it is **200.4090, 12.9840, -48.1040**.

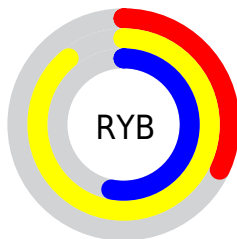
# Distribution



Red (69%)

Green (89%)

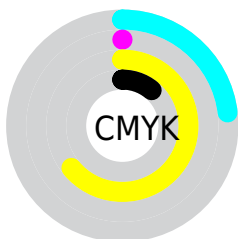
Blue (32%)



Red (32%)

Yellow (89%)

Blue (53%)

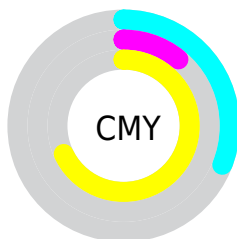


Cyan (23%)

Magenta (0%)

Yellow (64%)

Black (11%)



Cyan (31%)

Magenta (11%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.3950, 15.5990, -56.9530 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 195.3950, 15.5990, -56.9530 by changing the saturation by 10% instead.



■ 195.3950, 15.5990,  
-56.9530

■ 195.3950, 15.5990,  
-56.9530

■ 255.0000, -0.0000,  
-0.0000

■ 166.9820, 15.3240,  
-57.4760

■ 234.8560, 25.0870,  
-41.6730

■ 138.0700, 17.8920,  
-59.9640

■ 244.7400, 28.8900,  
-27.9900

■ 112.6120, 13.4900,  
-57.2780

■ 247.9320, 19.9020,  
-19.2820

■ 88.9780, 3.9520,  
-49.6160

■ 251.2380, 10.5930,  
-10.2630

■ 65.0450, -6.1820,  
-42.1660

■ 254.5440, 1.2840,  
-1.2440

■ 41.0900, -19.2500,  
-36.6100

■ 27.5890, -12.9250,

-24.5810

■ 14.6750, -6.8750,  
-13.0750

■ 0.0000, 0.0000,  
0.0000

■ 195.3950, 15.5990,  
-56.9530

■ 195.3950, 15.5990,  
-56.9530

■ 190.3810, 18.2140,  
-65.8020

■ 200.4090, 12.9840,  
-48.1040

■ 185.0680, 20.2330,  
-74.8630

■ 205.4230, 10.3690,  
-39.2550

■ 180.1680, 22.5270,  
-83.4010

■ 210.6220, 8.6710,  
-30.5050

■ 177.4900, 24.3160,  
-88.2920

■ 215.6360, 6.0560,  
-21.6560

■ 220.6500, 3.4410,  
-12.8070

■ 225.6640, 0.8260,  
-3.9580

■ 230.9770, -1.1930,  
5.1030

■ 234.9650, -0.9190,  
11.1530

■ 237.3570, 3.8490,  
12.8490

# Harmonies

## Analogous

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



202.1480, 71.1190, -38.9050



195.3950, 15.5990, -56.9530



176.2750, -72.2000, -68.2000

# Triad

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



195.3950, 15.5990, -56.9530



167.6020, -146.7550, -44.1230



186.1150, 43.7780, 43.6340

# Complementary

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



195.3950, 15.5990, -56.9530



113.6050, -15.5990, 56.9530

# 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.



200.4090, 25.5750, 48.6390



195.3950, 15.5990, -56.9530



157.0360, -141.8050, -34.7090

# Square

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



195.3950, 15.5990, -56.9530



172.2980, -148.9550, -48.3070



205.4720, -6.2400, 24.9920



184.1190, 63.1770, 16.9450



# Rectangle

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



195.3950, 15.5990, -56.9530



164.5460, -127.1270, -69.4550



205.4720, -6.2400, 24.9920



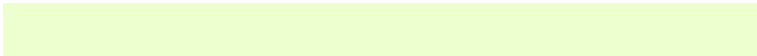
189.9110, 35.8450, 49.7410

# Sweetspot

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



195.3950, 15.5990, -56.9530



244.4450, 5.2760, -18.5320



154.8900, 73.5870, 4.4910



121.2910, 3.0740, -11.6620



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.



195.3950, 15.5990, -56.9530



211.4270, 20.6000, -76.0080



173.8670, -27.3130, -72.2170



112.4360, 1.4680, -4.5800



139.1590, 18.7190, -69.4490



39.8040, 5.6430, -19.6770



# Inverse Universe

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



113.6050, -15.5990, 56.9530



102.5730, -20.6000, 76.0080



135.1330, 27.3130, 72.2170



105.5640, -1.4680, 4.5800



39.5420, -19.3150, 69.2370



11.1960, -5.6430, 19.6770



# Previews

## White Background



This preview shows how the YIQ color 195.3950, 15.5990, -56.9530 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 195.3950, 15.5990, -56.9530 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 195.3950, 15.5990, -56.9530

## Background



This preview shows how black text looks on a background with the YIQ color 195.3950, 15.5990, -56.9530.



This preview shows how white text looks on a background with the YIQ color 195.3950, 15.5990,

-56.9530.

# 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

195.3950, 15.5990, -56.9530

### Protanopia

202.7860, 57.6390, -36.8970

### Deuteranopia

207.3420, 59.7900, -15.2980



## Tritanopia

208.9580, -17.3770, 1.0470

# Trichromacy



## Original Color

195.3950, 15.5990, -56.9530

## Protanomaly

199.9580, 42.2350, -44.0770

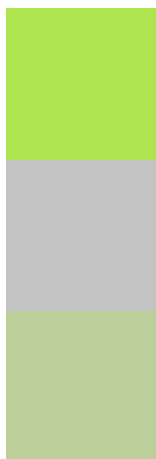
## Deuteranomaly

203.1730, 43.6080, -30.4080

## Tritanomaly

203.6440, -5.5900, -19.8460

# Monochromacy



## Original Color

195.3950, 15.5990, -56.9530

## Achromatopsia

195.0000, -0.0000, 0.0000

## Achromatomaly

195.2770, 5.6890, -20.5110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.3950, 15.5990, -56.9530 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(175, 228, 81)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 81)  
}
```

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(175, 228, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 81) }
```

## Border

The CSS property to change the border of an element to YIQ 195.3950, 15.5990, -56.9530 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(175, 228, 81) }
```



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

```
.border{ border-color:rgb(175, 228, 81) }
```

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

Here you see how a box with a 4 pixel rgb(175, 228, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 81);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
81) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.3950, 15.5990, -56.9530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 81) }
```

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

```
.background{ background-color: rgb(175,  
228, 81) }
```

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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