

# Converting Colors

YIQ(176.5510, 32.6550,  
-57.6890)

Have a look what the booklet for  
YIQ(176.5510, 32.6550, -57.6890)  
contains.

<b>YIQ(176.5510, 32.6550, -57.6890)</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(176.5510, 32.6550,  
-57.6890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACCD2A
RGB	172, 205, 42
RGB Percent	67%, 80%, 16%
CMY	0.3257, 0.1960, 0.8350
CMYK	0.16, 0.00, 0.79, 0.20
HSL	72°, 66%, 48%
HSV	72°, 79%, 80%
XYZ	39.2568, 52.6022, 10.2808
YIQ	176.5510, 32.6550, -57.6890

# Conversions

## Conversions Part 2

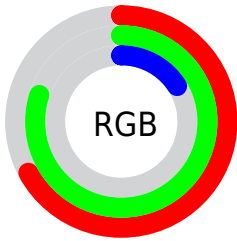
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 205, 75
Decimal	11324714
CIE <sub>Lab</sub>	77.64, -31.26, 70.38
CIE <sub>LCh</sub>	78, 77.005, 113.950
Yxy	52.6022, 0.3843, 0.5150
Android (android.graphics.Color)	4289514794 (0xFFACCD2A)
YUV	176.5510, -66.3336, -3.9912
Hunter-Lab	72.5274, -30.3063, 42.3648

# Details

The YIQ color **176.5510, 32.6550, -57.6890** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **70.4490, -32.6550, 57.6890**, and the grayscale version is **177.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **230.3820, 34.8090, -52.6710**, and **123.0220, 27.0150, -54.5930** is the 20% darker color. If you saturate the color by 10%, you get **173.0750, 36.6910, -64.7570**, and if you desaturate by 10%, it is **180.1410, 28.2980, -50.3100**.

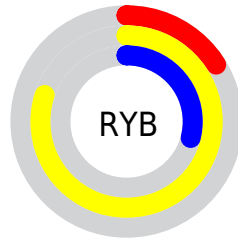
# Distribution



Red (67%)

Green (80%)

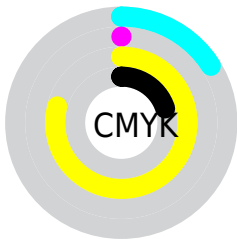
Blue (16%)



Red (16%)

Yellow (80%)

Blue (29%)

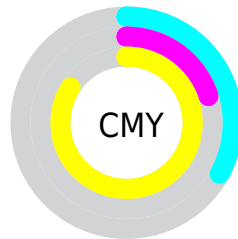


Cyan (16%)

Magenta (0%)

Yellow (79%)

Black (20%)



Cyan (33%)

Magenta (20%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 176.5510, 32.6550, -57.6890 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 176.5510, 32.6550, -57.6890 by changing the saturation by 10% instead.



■ 176.5510, 32.6550,  
-57.6890

■ 176.5510, 32.6550,  
-57.6890

■ 255.0000, -0.0000,  
-0.0000

■ 147.2430, 36.2780,  
-62.7780

■ 230.3820, 34.8090,  
-52.6710

■ 123.0220, 27.0150,  
-54.5930

■ 240.8640, 39.8040,  
-38.5640

■ 99.3880, 17.4770,  
-46.9310

■ 244.0560, 30.8160,  
-29.8560

■ 76.6400, 8.2600,  
-39.5800

■ 247.3620, 21.5070,  
-20.8370

■ 53.5820, -3.0200,  
-33.3880

■ 250.6680, 12.1980,  
-11.8180

■ 30.5240, -14.3000,  
-27.1960

■ 253.9740, 2.8890,

■ 19.3710, -9.0750,

-2.7990

-17.2590

■ 0.0000, 0.0000,  
0.0000

■ 176.5510, 32.6550,  
-57.6890

■ 176.5510, 32.6550,  
-57.6890

■ 173.0750, 36.6910,  
-64.7570

■ 180.1410, 28.2980,  
-50.3100

■ 169.4850, 41.0480,  
-72.1360

■ 183.6170, 24.2620,  
-43.2420

■ 169.0720, 40.7730,  
-72.6590

■ 187.2070, 19.9050,  
-35.8630

■ 190.9820, 16.4650,  
-28.5830

■ 194.5720, 12.1080,  
-21.2040

■ 198.0480, 8.0720,  
-14.1360

■ 201.6380, 3.7150,  
-6.7570

■ 205.1140, -0.3210,  
0.3110

■ 208.7040, -4.6780,  
7.6900

# Harmonies

## Analogous

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



182.1450, 84.3690, -36.7430



176.5510, 32.6550, -57.6890



161.2360, -50.1010, -66.7170

# Triad

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



176.5510, 32.6550, -57.6890



157.6230, -142.0800, -35.2320



172.2720, 51.0660, 54.7300

# Complementary

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



176.5510, 32.6550, -57.6890



70.4490, -32.6550, 57.6890

# 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.



191.6040, 29.7000, 56.4840



176.5510, 32.6550, -57.6890



148.8180, -137.9550, -27.3870

# Square

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



176.5510, 32.6550, -57.6890



160.3470, -141.4830, -40.5470



183.1790, -33.3360, 20.4560



167.1130, 72.4820, 30.0340



# Rectangle

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



176.5510, 32.6550, -57.6890



148.0010, -109.4750, -69.9790



183.1790, -33.3360, 20.4560



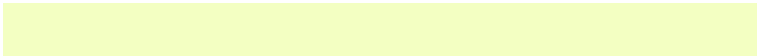
178.5300, 41.7120, 59.0560

# Sweetspot

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



176.5510, 32.6550, -57.6890



244.4580, 12.4290, -21.5150



110.1080, 88.0730, 17.2970



121.3900, 7.1090, -13.2030



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.



176.5510, 32.6550, -57.6890



212.7610, 48.4780, -85.6500



152.3320, -15.6210, -74.8610



100.2620, 2.0180, -3.5340



136.9100, 33.0220, -58.8340



31.2760, 7.4300, -13.5140



# Inverse Universe

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



70.4490, -32.6550, 57.6890



55.2390, -48.4780, 85.6500



94.6680, 15.6210, 74.8610



93.7380, -2.0180, 3.5340



29.0900, -33.0220, 58.8340



6.7240, -7.4300, 13.5140



# Previews

## White Background



This preview shows how the YIQ color 176.5510, 32.6550, -57.6890 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 176.5510, 32.6550, -57.6890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

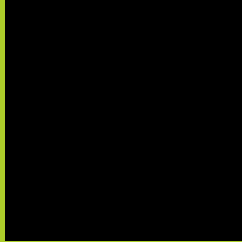
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 176.5510, 32.6550, -57.6890

## Background



This preview shows how black text looks on a background with the YIQ color 176.5510, 32.6550, -57.6890.



This preview shows how white text looks on a background with the YIQ color 176.5510, 32.6550,

-57.6890.

# 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

176.5510, 32.6550, -57.6890

### Protanopia

181.4350, 62.8210, -42.7070

### Deuteranopia

184.7500, 75.6560, -27.5120



## Tritanopia

191.8130, -6.6030, 4.0290

# Trichromacy



## Original Color

176.5510, 32.6550, -57.6890

## Protanomaly

179.7000, 51.5890, -48.4030

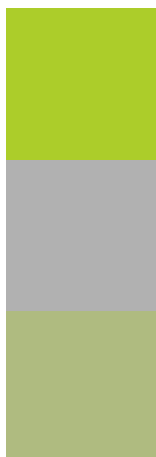
## Deuteranomaly

181.5150, 59.8400, -38.2400

## Tritanomaly

186.1140, 7.7060, -18.5180

# Monochromacy



## Original Color

176.5510, 32.6550, -57.6890

## Achromatopsia

177.0000, -0.0000, 0.0000

## Achromatomaly

176.6860, 11.7870, -20.8930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 176.5510, 32.6550, -57.6890 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(172, 205, 42)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 42)  
}
```

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(172, 205, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 42) }
```

## Border

The CSS property to change the border of an element to YIQ 176.5510, 32.6550, -57.6890 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(172, 205, 42) }
```



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

```
.border{ border-color:rgb(172, 205, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 205, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 42);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
42) }
```

# Background

The CSS property to change the background color of an element to YIQ 176.5510, 32.6550, -57.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 42) }
```

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

```
.background{ background-color: rgb(172,  
205, 42) }
```

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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