

Converting Colors

YIQ(166.9310, -5.8610,
-42.4770)

Have a look what the booklet for
YIQ(166.9310, -5.8610, -42.4770)
contains.

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Color

**YIQ(166.9310, -5.8610,
-42.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	87C465
RGB	135, 196, 101
RGB Percent	53%, 77%, 40%
CMY	0.4708, 0.2313, 0.6039
CMYK	0.31, 0.00, 0.48, 0.23
HSL	99°, 45%, 58%
HSV	99°, 48%, 77%
XYZ	32.0785, 45.5777, 19.4219
YIQ	166.9310, -5.8610, -42.4770

Conversions

Conversions Part 2

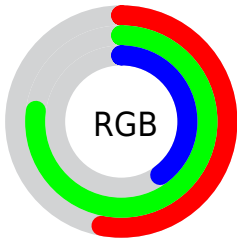
Format	Color
RYB	101, 196, 162
Decimal	8897637
CIELab	73.27, -36.67, 41.33
CIELCh	73, 55.252, 131.578
Yxy	45.5777, 0.3304, 0.4695
Android (android.graphics.Color)	4287087717 (0xFF87C465)
YUV	166.9310, -32.5040, -28.0035
Hunter-Lab	67.5113, -33.3290, 30.2011

Details

The YIQ color **166.9310, -5.8610, -42.4770** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **130.0690, 5.8610, 42.4770**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **223.1760, -5.1730, -43.9330**, and **113.3870, -7.1450, -41.2330** is the 20% darker color. If you saturate the color by 10%, you get **160.7640, -7.1890, -51.4530**, and if you desaturate by 10%, it is **173.0980, -4.5330, -33.5010**.

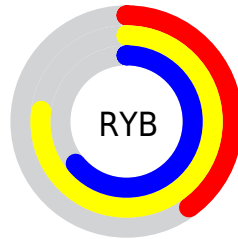
Distribution



Red (53%)

Green (77%)

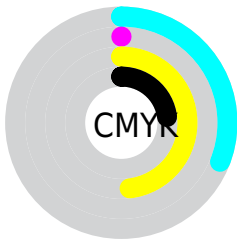
Blue (40%)



Red (40%)

Yellow (77%)

Blue (64%)

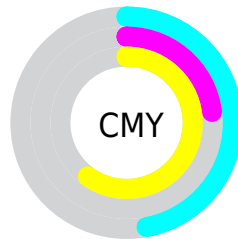


Cyan (31%)

Magenta (0%)

Yellow (48%)

Black (23%)



Cyan (47%)

Magenta (23%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.9310, -5.8610, -42.4770 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 166.9310, -5.8610, -42.4770 by changing the saturation by 10% instead.

■ 166.9310, -5.8610,
-42.4770

■ 166.9310, -5.8610,
-42.4770

■ 255.0000, -0.0000,
-0.0000

■ 140.1590, -6.5030,
-41.8550

■ 223.1760, -5.1730,
-43.9330

■ 113.3870, -7.1450,
-41.2330

■ 235.8000, 2.2980,
-30.6460

■ 87.3870, -7.1450,
-41.2330

■ 247.6630, 10.5940,
-15.7900

■ 61.1910, -9.5290,
-42.0810

■ 253.0620, 5.4570,
-5.2870

■ 39.3290, -18.4250,
-35.0410

■ 25.8280, -12.1000,
-23.0120

■ 11.7400, -5.5000,

-10.4600

■ 0.0000, 0.0000,
0.0000

■ 166.9310, -5.8610,
-42.4770

■ 166.9310, -5.8610,
-42.4770

■ 160.7640, -7.1890,
-51.4530

■ 173.0980, -4.5330,
-33.5010

■ 155.0100, -8.2420,
-59.9060

■ 178.8520, -3.4800,
-25.0480

■ 148.8430, -9.5700,
-68.8820

■ 185.0190, -2.1520,
-16.0720

■ 143.0890,
-10.6230, -77.3350

■ 190.7730, -1.0990,
-7.6190

■ 136.9220,
-11.9510, -86.3110

■ 196.9400, 0.2290,
1.3570

■ 135.9820,
-12.1800, -87.6680

■ 203.1070, 1.5570,
10.3330

■ 208.8610, 2.6100,
18.7860

■ 214.6860, 4.9010,
26.8290

■ 218.2740, 12.0530,
29.3730

Harmonies

Analogous

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



172.8950, 38.5190, -31.7930



166.9310, -5.8610, -42.4770



150.7550, -72.8910, -50.1630

Triad

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



166.9310, -5.8610, -42.4770



142.9480, -135.2050, -22.1570



175.1320, 62.3030, 32.7910

Complementary

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



166.9310, -5.8610, -42.4770



130.0690, 5.8610, 42.4770

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.



183.2940, 44.8320, 46.5600



166.9310, -5.8610, -42.4770



172.4150, -54.7920, 12.8240

Square

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



166.9310, -5.8610, -42.4770



147.2050, -134.7910, -29.6630



184.8940, -1.0160, 40.4560



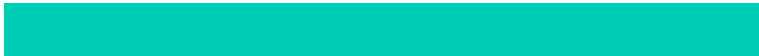
176.2310, 74.3650, 12.4210

Rectangle

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



166.9310, -5.8610, -42.4770



140.9690, -114.4760, -50.9240



184.8940, -1.0160, 40.4560



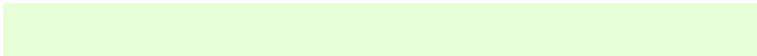
176.4830, 57.1210, 38.6010

Sweetspot

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



166.9310, -5.8610, -42.4770



243.1930, -2.7020, -17.1180



164.6250, 40.1200, -11.2400



120.8930, -1.5570, -10.3330



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.



166.9310, -5.8610, -42.4770



209.7230, -9.1120, -66.1680



158.2470, -30.2980, -45.6420



94.0660, -0.3660, -4.3820



111.5500, -10.3030, -72.1190



22.9590, -1.9230, -14.7150

Inverse Universe

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



130.0690, 5.8610, 42.4770



152.2770, 9.1120, 66.1680



138.7530, 30.2980, 45.6420



89.9340, 0.3660, 4.3820



49.1510, 9.7070, 71.9070



10.0410, 1.9230, 14.7150

Previews

White Background



This preview shows how the YIQ color 166.9310, -5.8610, -42.4770 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 166.9310, -5.8610, -42.4770 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 166.9310, -5.8610, -42.4770

Background



This preview shows how black text looks on a background with the YIQ color 166.9310, -5.8610, -42.4770.



This preview shows how white text looks on a background with the YIQ color 166.9310, -5.8610,

-42.4770.

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

166.9310, -5.8610, -42.4770

Protanopia

174.8060, 37.6920, -22.3080

Deuteranopia

177.4580, 47.9600, -10.1520



Tritanopia

176.5440, -25.0790, -2.5430

Trichromacy



Original Color

166.9310, -5.8610, -42.4770

Protanomaly

171.6790, 21.6920, -29.7000

Deuteranomaly

173.5430, 28.2470, -21.8410

Tritanomaly

172.9940, -18.1990, -17.1030

Monochromacy



Original Color

166.9310, -5.8610, -42.4770

Achromatopsia

167.0000, -0.0000, -0.0000

Achromatomaly

167.1330, -2.4730, -15.7610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.9310, -5.8610, -42.4770 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(135, 196, 101)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 101)  
}
```

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(135, 196, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 101) }
```

Border

The CSS property to change the border of an element to YIQ 166.9310, -5.8610, -42.4770 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(135, 196, 101) }
```


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

```
.border{ border-color:rgb(135, 196, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 101);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
101) }
```

Background

The CSS property to change the background color of an element to YIQ 166.9310, -5.8610, -42.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 101) }
```

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

```
.background{ background-color: rgb(135,  
196, 101) }
```

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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