

Converting Colors

YIQ(168.3160, -8.3830,
-40.8230)

Have a look what the booklet for
YIQ(168.3160, -8.3830, -40.8230)
contains.

YIQ(168.3160, -8.3830, -40.8230)	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(168.3160, -8.3830,
-40.8230)**

Conversions

Conversions Part 1

Format	Color
Hex	87C56C
RGB	135, 197, 108
RGB Percent	53%, 77%, 42%
CMY	0.4708, 0.2273, 0.5764
CMYK	0.32, 0.00, 0.45, 0.23
HSL	102°, 43%, 60%
HSV	102°, 45%, 77%
XYZ	32.6627, 46.1737, 21.3808
YIQ	168.3160, -8.3830, -40.8230

Conversions

Conversions Part 2

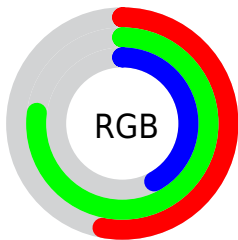
Format	Color
RYB	108, 197, 170
Decimal	8897900
CIELab	73.66, -36.24, 38.34
CIELCh	74, 52.751, 133.388
Yxy	46.1737, 0.3259, 0.4607
Android (android.graphics.Color)	4287087980 (0xFF87C56C)
YUV	168.3160, -29.7358, -29.2181
Hunter-Lab	67.9513, -33.1136, 28.9103

Details

The YIQ color **168.3160, -8.3830, -40.8230** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **136.6840, 8.3830, 40.8230**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.2620, -8.2910, -42.4910**, and **115.0710, -9.0710, -39.3670** is the 20% darker color. If you saturate the color by 10%, you get **161.8500, -10.3070, -50.0110**, and if you desaturate by 10%, it is **174.7820, -6.4590, -31.6350**.

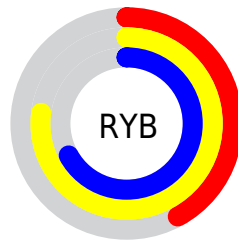
Distribution



Red (53%)

Green (77%)

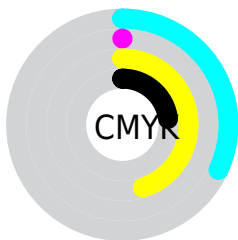
Blue (42%)



Red (42%)

Yellow (77%)

Blue (67%)

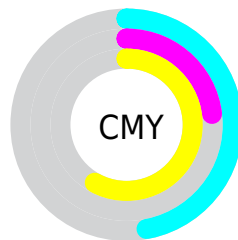


Cyan (32%)

Magenta (0%)

Yellow (45%)

Black (23%)



Cyan (47%)

Magenta (23%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.3160, -8.3830, -40.8230 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 168.3160, -8.3830, -40.8230 by changing the saturation by 10% instead.

■ 168.3160, -8.3830,
-40.8230

■ 168.3160, -8.3830,
-40.8230

■ 255.0000, -0.0000,
-0.0000

■ 141.5440, -9.0250,
-40.2010

■ 224.2620, -8.2910,
-42.4910

■ 115.0710, -9.0710,
-39.3670

■ 236.5980, 0.0510,
-28.4690

■ 88.8860, -9.9880,
-39.2680

■ 248.4610, 8.3470,
-13.6130

■ 62.6470, -10.8130,
-40.8370

■ 253.8600, 3.2100,
-3.1100

■ 39.9160, -18.7000,
-35.5640

■ 26.4150, -12.3750,
-23.5350

■ 12.3270, -5.7750,

-10.9830

■ 0.0000, 0.0000,
0.0000

■ 168.3160, -8.3830,
-40.8230

■ 168.3160, -8.3830,
-40.8230

■ 161.8500,
-10.3070, -50.0110

■ 174.7820, -6.4590,
-31.6350

■ 155.4980,
-12.5520, -58.8880

■ 180.8350, -4.8100,
-22.9700

■ 149.3310,
-13.8800, -67.8640

■ 187.3010, -2.8860,
-13.7820

■ 142.8650,
-15.8040, -77.0520

■ 193.7670, -0.9620,
-4.5940

■ 136.3990,
-17.7280, -86.2400

■ 200.2330, 0.9620,
4.5940

■ 133.5790,
-18.4150, -90.3110

■ 206.2860, 2.6110,
13.2590

■ 212.7520, 4.5350,
22.4470

■ 217.9640, 9.9900,
28.2140

■ 220.9540, 15.9500,
30.3340

Harmonies

Analogous

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



174.5680, 35.1260, -30.8740



168.3160, -8.3830, -40.8230



153.8200, -71.5160, -47.5480

Triad

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



168.3160, -8.3830, -40.8230



142.9480, -135.2050, -22.1570



177.3660, 61.5240, 30.3880

Complementary

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



168.3160, -8.3830, -40.8230



136.6840, 8.3830, 40.8230

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.



184.7130, 44.9700, 44.0580



168.3160, -8.3830, -40.8230



175.7040, -48.2360, 15.1560

Square

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



168.3160, -8.3830, -40.8230



147.2050, -134.7910, -29.6630



186.3350, 2.0560, 39.8480



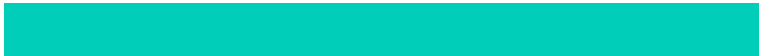
178.2200, 72.8980, 11.4740

Rectangle

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



168.3160, -8.3830, -40.8230



142.0120, -116.0350, -50.2030



186.3350, 2.0560, 39.8480



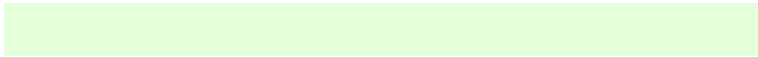
178.6030, 56.6630, 35.8870

Sweetspot

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



168.3160, -8.3830, -40.8230



243.4210, -3.3440, -16.4960



170.4180, 36.2690, -13.0350



120.7080, -2.4740, -10.2340



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.



168.3160, -8.3830, -40.8230



210.5640, -12.9180, -63.2700



162.0670, -29.6110, -41.5710



96.1800, -0.6870, -4.0710



110.3320, -15.6210, -74.8610



24.4210, -3.3440, -16.4960

Inverse Universe

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



136.6840, 8.3830, 40.8230



161.4360, 12.9180, 63.2700



142.9330, 29.6110, 41.5710



92.8200, 0.6870, 4.0710



52.6680, 15.6210, 74.8610



11.5790, 3.3440, 16.4960

Previews

White Background



This preview shows how the YIQ color 168.3160, -8.3830, -40.8230 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 168.3160, -8.3830, -40.8230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

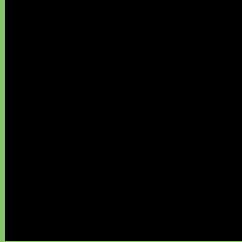
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 168.3160, -8.3830, -40.8230

Background



This preview shows how black text looks on a background with the YIQ color 168.3160, -8.3830, -40.8230.



This preview shows how white text looks on a background with the YIQ color 168.3160, -8.3830,

-40.8230.

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

168.3160, -8.3830, -40.8230

Protanopia

176.4900, 35.7660, -20.4420

Deuteranopia

178.8430, 45.4380, -8.4980



Tritanopia

176.9460, -26.2710, -2.9670

Trichromacy



Original Color

168.3160, -8.3830, -40.8230

Protanomaly

173.3630, 19.7660, -27.8340

Deuteranomaly

174.9280, 25.7250, -20.1870

Tritanomaly

173.9230, -19.4370, -16.6930

Monochromacy



Original Color

168.3160, -8.3830, -40.8230

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

168.3610, -3.1150, -15.1390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.3160, -8.3830, -40.8230 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, 197, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 108)  
}
```

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, 197, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 108) }
```

Border

The CSS property to change the border of an element to YIQ 168.3160, -8.3830, -40.8230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

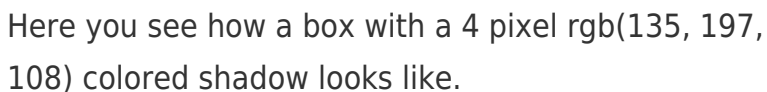
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 197, 108) }
```


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

```
.border{ border-color:rgb(135, 197, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 197, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 197, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 197, 108); box-shadow:4px 4px 4px 4px rgb(135, 197, 108) }
```

Background

The CSS property to change the background color of an element to YIQ 168.3160, -8.3830, -40.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 108) }
```

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

```
.background{ background-color: rgb(135,  
197, 108) }
```

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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