

Converting Colors

YIQ(168.4750, -49.2760,
-65.1480)

Have a look what the booklet for
YIQ(168.4750, -49.2760, -65.1480)
contains.

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Color

**YIQ(168.4750, -49.2760,
-65.1480)**

Conversions

Conversions Part 1

Format	Color
Hex	51E070
RGB	81, 224, 112
RGB Percent	32%, 88%, 44%
CMY	0.6828, 0.1213, 0.5609
CMYK	0.64, 0.00, 0.50, 0.12
HSL	133°, 70%, 60%
HSV	133°, 64%, 88%
XYZ	32.9792, 56.2574, 24.4417
YIQ	168.4750, -49.2760, -65.1480

Conversions

Conversions Part 2

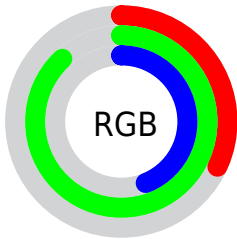
Format	Color
RYB	81, 199, 224
Decimal	5365872
CIELab	79.76, -61.41, 43.55
CIElCh	80, 75.288, 144.655
Yxy	56.2574, 0.2901, 0.4949
Android (android.graphics.Color)	4283555952 (0xFF51E070)
YUV	168.4750, -27.8422, -76.7156
Hunter-Lab	75.0049, -52.7733, 33.1827

Details

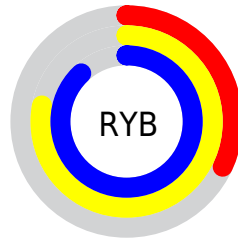
The YIQ color **168.4750, -49.2760, -65.1480** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **136.5250, 49.2760, 65.1480**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **211.6650, -37.5870, -51.2110**, and **104.9830, -65.5060, -68.3700** is the 20% darker color. If you saturate the color by 10%, you get **159.5460, -57.2060, -75.6220**, and if you desaturate by 10%, it is **177.1050, -41.9420, -54.8860**.

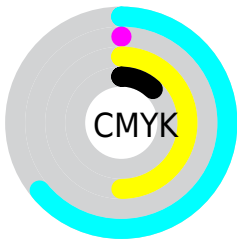
Distribution



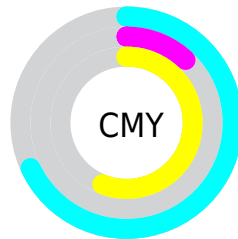
- Red (32%)
- Green (88%)
- Blue (44%)



- Red (32%)
- Yellow (78%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)



- Cyan (68%)
- Magenta (12%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.4750, -49.2760, -65.1480 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 168.4750, -49.2760, -65.1480 by changing the saturation by 10% instead.

■ 168.4750,
-49.2760, -65.1480

■ 168.4750,
-49.2760, -65.1480

■ 255.0000, -0.0000,
-0.0000

■ 136.8270,
-56.1990, -66.3350

■ 211.6650,
-37.5870, -51.2110

■ 104.9830,
-65.5060, -68.3700

■ 223.7130,
-28.3740, -36.4540

■ 86.1700, -49.7350,
-62.3350

■ 235.9890,
-19.8030, -21.0750

■ 67.1460, -31.9920,
-59.0000

■ 248.5640,
-10.6360, -5.4840

■ 51.6560, -24.2000,
-46.0240

■ 36.9810, -17.3250,
-32.9490

■ 22.8930, -10.7250,

-20.3970

■ 0.0000, 0.0000,
0.0000

■ 168.4750,
-49.2760, -65.1480

■ 168.4750,
-49.2760, -65.1480

■ 159.5460,
-57.2060, -75.6220

■ 177.1050,
-41.9420, -54.8860

■ 151.0300,
-64.8610, -85.5730

■ 185.9200,
-33.6910, -44.7230

■ 142.4000,
-72.1950, -95.8350

■ 194.5500,
-26.3570, -34.4610

■ 137.0740,
-77.3290, -101.9130

■ 203.3650,
-18.1060, -24.2980

■ 211.9950,
-10.7720, -14.0360

■ 220.5110, -3.1170,
-4.0850

■ 229.4400, 4.8130,
6.3890

■ 236.4610, 9.4880,
15.2800

■ 236.8030, 8.5250,
16.2130

Harmonies

Analogous

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



183.0500, 29.8120, -55.7240



168.4750, -49.2760, -65.1480



155.7580, -121.6720, -63.6880

Triad

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



168.4750, -49.2760, -65.1480



152.3400, -139.6050, -30.5250



172.3790, 68.6770, 27.4050

Complementary

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



168.4750, -49.2760, -65.1480



136.5250, 49.2760, 65.1480

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.



178.0110, 47.3070, 51.2670



168.4750, -49.2760, -65.1480



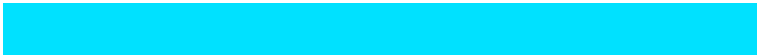
189.4030, -28.1550, 20.1730

Square

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



168.4750, -49.2760, -65.1480



161.1450, -143.7300, -38.3700



195.7130, 27.7750, 52.8230



180.8010, 80.7870, -4.8530

Rectangle

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



168.4750, -49.2760, -65.1480



161.9310, -137.6760, -48.9720



195.7130, 27.7750, 52.8230



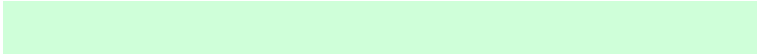
172.6530, 62.3940, 36.6500

Sweetspot

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



168.4750, -49.2760, -65.1480



236.3160, -16.4100, -21.9940



198.4290, 27.4270, -51.0450



116.4080, -10.4970, -13.5130



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.



168.4750, -49.2760, -65.1480



178.8400, -67.3820, -89.4460



176.5690, -72.0670, -43.0670



107.6850, -3.6670, -5.1310



107.6440, -60.5980, -80.2300



29.4300, -16.7310, -21.6830

Inverse Universe

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



136.5250, 49.2760, 65.1480



135.0460, 67.7030, 89.1350



128.3170, 72.3880, 42.7560



105.3150, 3.6670, 5.1310



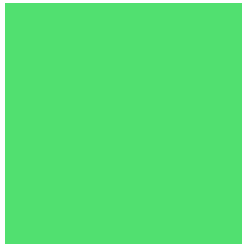
68.3560, 60.5980, 80.2300



18.6840, 16.4100, 21.9940

Previews

White Background



This preview shows how the YIQ color 168.4750, -49.2760, -65.1480 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 168.4750, -49.2760, -65.1480 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 168.4750, -49.2760, -65.1480 Background



This preview shows how black text looks on a background with the YIQ color 168.4750, -49.2760, -65.1480.



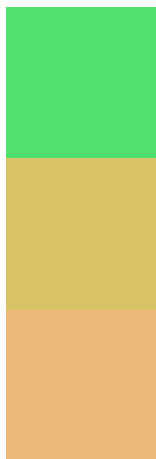
This preview shows how white text looks on a background with the YIQ color 168.4750, -49.2760, -65.1480.

-65.1480.

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

168.4750, -49.2760, -65.1480

Protanopia

191.2640, 42.0940, -24.9940

Deuteranopia

194.4260, 50.9860, -9.9260



Tritanopia

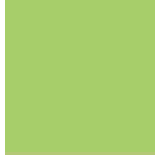
183.9350, -63.2690, -15.2770

Trichromacy



Original Color

168.4750, -49.2760, -65.1480



Protanomaly

182.9390, 8.8560, -39.3680



Deuteranomaly

184.6720, 14.4020, -29.7420



Tritanomaly

178.4940, -58.3140, -33.4980

Monochromacy



Original Color

168.4750, -49.2760, -65.1480



Achromatopsia

168.0000, -0.0000, -0.0000



Achromatomaly

167.8920, -18.1520, -23.4640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.4750, -49.2760, -65.1480 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(81, 224, 112)` looks like.

```
.text, #text, p{  
    color:rgb(81, 224, 112)  
}
```

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(81, 224, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 224, 112) }
```

Border

The CSS property to change the border of an element to YIQ 168.4750, -49.2760, -65.1480 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(81, 224, 112) }
```


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

```
.border{ border-color:rgb(81, 224, 112) }
```

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

Here you see how a box with a 4 pixel rgb(81, 224, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 224, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 224, 112);  
box-shadow:4px 4px 4px 4px rgb(81, 224,  
112) }
```

Background

The CSS property to change the background color of an element to YIQ 168.4750, -49.2760, -65.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 224, 112) }
```

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

```
.background{ background-color: rgb(81, 224,  
112) }
```

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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