

# Converting Colors

YIQ(180.6650, -54.7820,  
-42.4460)

Have a look what the booklet for  
YIQ(180.6650, -54.7820, -42.4460)  
contains.

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# Color

**YIQ(180.6650, -54.7820,  
-42.4460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66DFA9
RGB	102, 223, 169
RGB Percent	40%, 87%, 66%
CMY	0.6003, 0.1253, 0.3374
CMYK	0.54, 0.00, 0.24, 0.13
HSL	153°, 65%, 64%
HSV	153°, 54%, 87%
XYZ	39.0287, 58.4853, 46.7459
YIQ	180.6650, -54.7820, -42.4460

# Conversions

## Conversions Part 2

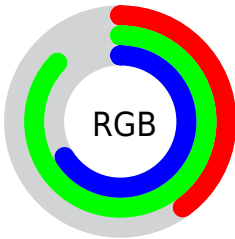
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 180, 223
Decimal	6741929
CIELab	81.01, -46.50, 16.38
CIELCh	81, 49.301, 160.598
Yxy	58.4853, 0.2705, 0.4054
Android (android.graphics.Color)	4284932009 (0xFF66DFA9)
YUV	180.6650, -5.7508, -68.9892
Hunter-Lab	76.4757, -42.7367, 17.2919

# Details

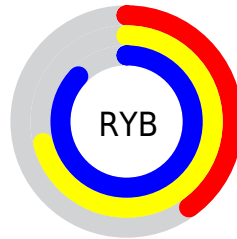
The YIQ color **180.6650, -54.7820, -42.4460** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **144.3350, 54.7820, 42.4460**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **223.3600, -46.0730, -29.5690**, and **121.5330, -63.2180, -43.7460** is the 20% darker color. If you saturate the color by 10%, you get **172.9470, -64.6840, -50.2200**, and if you desaturate by 10%, it is **188.3830, -44.8800, -34.6720**.

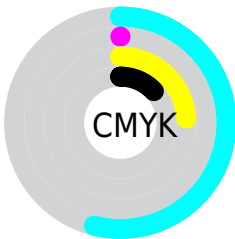
# Distribution



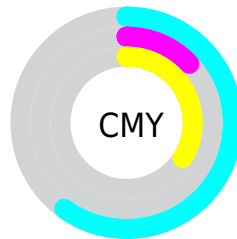
- Red (40%)
- Green (87%)
- Blue (66%)



- Red (40%)
- Yellow (71%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)



- Cyan (60%)
- Magenta (13%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.6650, -54.7820, -42.4460 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 180.6650, -54.7820, -42.4460 by changing the saturation by 10% instead.



■ 180.6650,  
-54.7820, -42.4460

■ 180.6650,  
-54.7820, -42.4460

■ 255.0000, -0.0000,  
-0.0000

■ 151.8820,  
-56.8910, -42.7710

■ 223.3600,  
-46.0730, -29.5690

■ 121.5330,  
-63.2180, -43.7460

■ 235.3370,  
-38.0980, -14.4020

■ 92.6680, -68.0320,  
-44.6080

■ 244.5350,  
-20.8600, -7.4200

■ 74.6700, -53.1780,  
-38.4740

■ 253.5050, -2.9800,  
-1.0600

■ 56.9000, -38.9660,  
-31.7180

■ 40.3040, -25.3040,  
-26.0080

■ 24.6540, -11.5500,

-21.9660

■ 4.1090, -1.9250,  
-3.6610

■ 0.0000, 0.0000,  
0.0000

■ 180.6650,  
-54.7820, -42.4460

■ 180.6650,  
-54.7820, -42.4460

■ 172.9470,  
-64.6840, -50.2200

■ 188.3830,  
-44.8800, -34.6720

■ 164.9300,  
-75.1820, -58.2060

■ 196.4000,  
-34.3820, -26.6860

■ 157.2120,  
-85.0840, -65.9800


■ 204.1180,  
-24.4800, -18.9120


■ 149.4940,  
-94.9860, -73.7540


■ 211.8360,  
-14.5780, -11.1380


 144.9230,  
-100.8080, -78.3760

 219.5540, -4.6760,  
-3.3640

 227.5710, 5.8220,  
4.6220

 234.3920, 13.9360,  
11.7600

 235.5320, 10.7260,  
14.8700

 236.2160, 8.8000,  
16.7360

# Harmonies

## Analogous

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



190.5340, -3.0650, -38.0810



180.6650, -54.7820, -42.4460



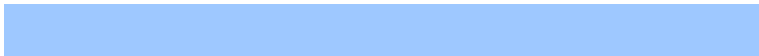
156.8130, -131.5320, -50.1880

# Triad

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



180.6650, -54.7820, -42.4460



193.7120, -42.6870, 8.2010



193.5110, 58.7770, 8.5770

# Complementary

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



180.6650, -54.7820, -42.4460



144.3350, 54.7820, 42.4460

# 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.



193.7170, 47.1740, 26.1340



180.6650, -54.7820, -42.4460



204.3640, 3.1120, 31.7200

# Square

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



180.6650, -54.7820, -42.4460



170.5350, -109.1170, -21.3810



201.4230, 30.9870, 38.6590



199.5970, 63.6860, -8.8100

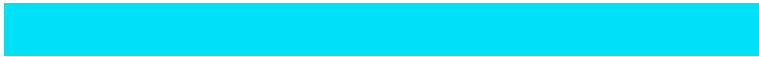


# Rectangle

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



180.6650, -54.7820, -42.4460



159.6460, -140.8870, -40.3350



201.4230, 30.9870, 38.6590



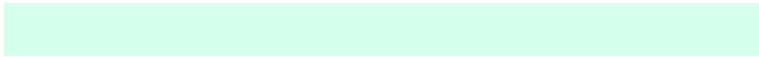
192.7590, 55.3830, 15.0230

# Sweetspot

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



180.6650, -54.7820, -42.4460



240.6890, -18.6580, -14.2900



189.1730, -1.0910, -51.8350



119.2710, -11.3690, -8.7210



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.



180.6650, -54.7820, -42.4460



196.9300, -75.1820, -58.2060



183.2990, -70.4660, -22.5140



108.1410, -4.9510, -3.8870



114.3700, -79.5370, -61.8810



31.2540, -21.8670, -16.7070



# Inverse Universe

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



144.3350, 54.7820, 42.4460



147.0700, 75.1820, 58.2060



141.7010, 70.4660, 22.5140



104.8590, 4.9510, 3.8870



61.6300, 79.5370, 61.8810



16.8600, 21.5460, 17.0180



# Previews

## White Background



This preview shows how the YIQ color 180.6650, -54.7820, -42.4460 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 180.6650, -54.7820, -42.4460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

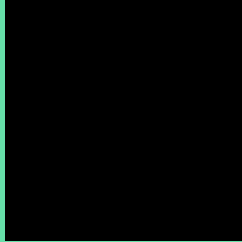
Any Text WCAG AA ✓ Pass

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 180.6650, -54.7820, -42.4460 Background



This preview shows how black text looks on a background with the YIQ color 180.6650, -54.7820, -42.4460.



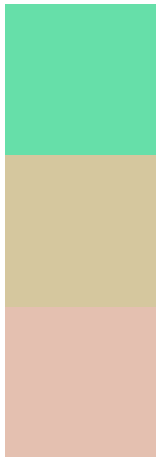
This preview shows how white text looks on a background with the YIQ color 180.6650, -54.7820, -42.4460.

-42.4460.

# 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

180.6650, -54.7820, -42.4460

### Protanopia

198.5120, 21.5050, -9.7830

### Deuteranopia

200.9400, 26.5920, 2.6560



## Tritanopia

188.8320, -61.4810, -14.6410

# Trichromacy



## Original Color

180.6650, -54.7820, -42.4460



## Protanomaly

192.2910, -6.0940, -21.7260



## Deuteranomaly

193.3010, -2.8860, -13.7820



## Tritanomaly

185.8780, -59.0950, -24.8470

# Monochromacy



## Original Color

180.6650, -54.7820, -42.4460



## Achromatopsia

181.0000, -0.0000, 0.0000



## Achromatomaly

180.6780, -20.1250, -15.2370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.6650, -54.7820, -42.4460 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(102, 223, 169)` looks like.

```
.text, #text, p{  
    color:rgb(102, 223, 169)  
}
```

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(102, 223, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 223, 169) }
```

## Border

The CSS property to change the border of an element to YIQ 180.6650, -54.7820, -42.4460 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(102, 223, 169) }
```



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

```
.border{ border-color:rgb(102, 223, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 223, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 223, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 223, 169);  
box-shadow:4px 4px 4px 4px rgb(102, 223,  
169) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.6650, -54.7820, -42.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 223, 169) }
```

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

```
.background{ background-color: rgb(102,  
223, 169) }
```

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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