

# Converting Colors

YIQ(128.8560, -72.3380,  
-65.6980)

Have a look what the booklet for  
YIQ(128.8560, -72.3380, -65.6980)  
contains.

<b>YIQ(128.8560, -72.3380, -65.6980)</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(128.8560, -72.3380,  
-65.6980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13BF61
RGB	19, 191, 97
RGB Percent	7%, 75%, 38%
CMY	0.9259, 0.2507, 0.6198
CMYK	0.90, 0.00, 0.49, 0.25
HSL	147°, 82%, 41%
HSV	147°, 90%, 75%
XYZ	21.0679, 38.2923, 17.5767
YIQ	128.8560, -72.3380, -65.6980

# Conversions

## Conversions Part 2

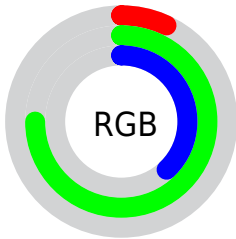
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 137, 191
Decimal	1294177
CIELab	68.24, -60.49, 36.34
CIElCh	68, 70.562, 149.007
Yxy	38.2923, 0.2738, 0.4977
Android (android.graphics.Color)	4279484257 (0xFF13BF61)
YUV	128.8560, -15.7050, -96.3437
Hunter-Lab	61.8808, -47.5195, 26.4758

# Details

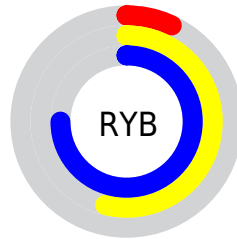
The YIQ color **128.8560, -72.3380, -65.6980** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **81.1440, 72.3380, 65.6980**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **193.6470, -55.5120, -62.2640**, and **85.3040, -52.8080, -56.2000** is the 20% darker color. If you saturate the color by 10%, you get **122.0350, -80.4520, -72.8360**, and if you desaturate by 10%, it is **135.6770, -64.2240, -58.5600**.

# Distribution



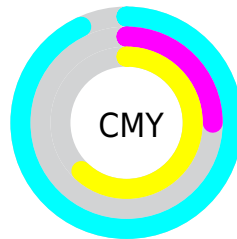
- Red (7%)
- Green (75%)
- Blue (38%)



- Red (7%)
- Yellow (54%)
- Blue (75%)



- Cyan (90%)
- Magenta (0%)
- Yellow (49%)
- Black (25%)



- Cyan (93%)
- Magenta (25%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.8560, -72.3380, -65.6980 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 128.8560, -72.3380, -65.6980 by changing the saturation by 10% instead.



■ 128.8560,  
-72.3380, -65.6980

■ 128.8560,  
-72.3380, -65.6980

■ 255.0000, -0.0000,  
-0.0000

■ 103.8890,  
-67.9370, -62.8570

■ 193.6470,  
-55.5120, -62.2640

■ 85.1900, -52.4870,  
-56.5110

■ 209.5160,  
-47.3530, -50.4330

■ 67.0780, -37.3120,  
-50.6880

■ 221.9770,  
-37.8650, -35.1530

■ 49.3080, -23.1000,  
-43.9320

■ 234.2530,  
-29.2940, -19.7740

■ 34.6330, -16.2250,  
-30.8570

■ 246.0300,  
-17.8800, -6.3600

■ 20.5450, -9.6250,  
-18.3050

■ 0.0000, 0.0000,

0.0000

■ 128.8560,  
-72.3380, -65.6980

■ 128.8560,  
-72.3380, -65.6980

■ 122.0350,  
-80.4520, -72.8360

■ 135.6770,  
-64.2240, -58.5600

■ 142.6120,  
-56.4310, -51.1110

■ 149.4330,  
-48.3170, -43.9730

■ 156.3680,  
-40.5240, -36.5240

■ 163.1890,  
-32.4100, -29.3860

■ 170.4230,  
-24.0210, -21.7250

■ 177.2440,  
-15.9070, -14.5870

■ 184.1790, -8.1140,  
-7.1380

■ 191.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



151.7700, 19.0370, -53.1790



128.8560, -72.3380, -65.6980



133.5200, -105.9020, -52.1260

# Triad

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



128.8560, -72.3380, -65.6980



131.2080, -129.7050, -11.6970



154.3010, 86.5120, 29.0720

# Complementary

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



128.8560, -72.3380, -65.6980



81.1440, 72.3380, 65.6980

# 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.



156.2000, 68.7640, 53.3720



128.8560, -72.3380, -65.6980



165.2590, -27.1490, 34.9870

# Square

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



128.8560, -72.3380, -65.6980



140.0130, -133.8300, -19.5420



169.6480, 35.5680, 60.2720



161.3140, 92.5240, -2.8040

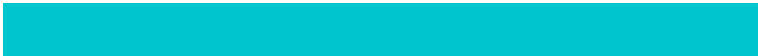


# Rectangle

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



128.8560, -72.3380, -65.6980



138.5360, -120.0260, -38.4420



169.6480, 35.5680, 60.2720



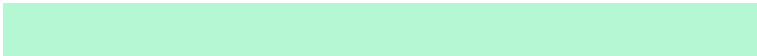
153.1730, 81.4210, 38.7410

# Sweetspot

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



128.8560, -72.3380, -65.6980



223.1620, -27.7800, -25.1880



148.3690, 9.3200, -69.8160



110.5320, -16.7780, -15.3220



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



128.8560, -72.3380, -65.6980



157.7570, -103.8770, -94.3490



138.5460, -99.6230, -39.2630



90.7390, -3.7590, -3.4630



100.9540, -66.5620, -60.2420



19.7930, -13.0190, -11.8590



# Inverse Universe

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



81.1440, 72.3380, 65.6980



89.2430, 103.8770, 94.3490



71.3400, 99.9440, 38.9520



88.2610, 3.7590, 3.4630



57.0460, 66.5620, 60.2420



11.2070, 13.0190, 11.8590



# Previews

## White Background



This preview shows how the YIQ color 128.8560, -72.3380, -65.6980 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 128.8560, -72.3380, -65.6980 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 128.8560, -72.3380, -65.6980 Background



This preview shows how black text looks on a background with the YIQ color 128.8560, -72.3380, -65.6980.



This preview shows how white text looks on a background with the YIQ color 128.8560, -72.3380, -65.6980.

-65.6980.

# 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

128.8560, -72.3380, -65.6980

### Protanopia

161.3050, 34.8490, -20.3430

### Deuteranopia

164.2170, 41.4490, -7.7910



## Tritanopia

150.3150, -67.3950, -17.5950

# Trichromacy



## Original Color

128.8560, -72.3380, -65.6980



## Protanomaly

149.2890, -3.7530, -36.6250



## Deuteranomaly

151.4840, 0.3720, -28.7800



## Tritanomaly

142.5790, -68.8590, -35.1230

# Monochromacy



## Original Color

128.8560, -72.3380, -65.6980



## Achromatopsia

129.0000, 0.0000, 0.0000



## Achromatomaly

129.1730, -26.3130, -24.2410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.8560, -72.3380, -65.6980 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(19, 191, 97)` looks like.

```
.text, #text, p{  
    color:rgb(19, 191, 97)  
}
```

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(19, 191, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 191, 97) }
```

## Border

The CSS property to change the border of an element to YIQ 128.8560, -72.3380, -65.6980 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(19, 191, 97) }
```



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

```
.border{ border-color:rgb(19, 191, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 191, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 191, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 191, 97);  
box-shadow:4px 4px 4px 4px rgb(19, 191,  
97) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.8560, -72.3380, -65.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 191, 97) }
```

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

```
.background{ background-color: rgb(19, 191,  
97) }
```

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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