

# Converting Colors

YIQ(145.3430, -56.5710,  
-37.5550)

Have a look what the booklet for  
YIQ(145.3430, -56.5710, -37.5550)  
contains.

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# Color

**YIQ(145.3430, -56.5710,  
-37.5550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44B990
RGB	68, 185, 144
RGB Percent	27%, 73%, 56%
CMY	0.7336, 0.2743, 0.4355
CMYK	0.63, 0.00, 0.22, 0.27
HSL	159°, 46%, 50%
HSV	159°, 63%, 73%
XYZ	24.7680, 37.9567, 32.3868
YIQ	145.3430, -56.5710, -37.5550

# Conversions

## Conversions Part 2

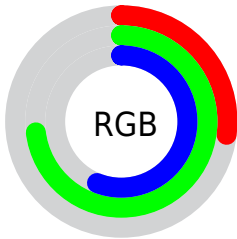
Format	Color
<a href="#">RYB</a>	<a href="#">68, 139, 185</a>
Decimal	<a href="#">4503952</a>
CIELab	<a href="#">67.99, -42.66, 11.30</a>
CIElCh	<a href="#">68, 44.127, 165.159</a>
Yxy	<a href="#">37.9567, 0.2604, 0.3991</a>
Android (android.graphics.Color)	<a href="#">4282694032 (0xFF44B990)</a>
YUV	<a href="#">145.3430, -0.6621, -67.8298</a>
Hunter-Lab	<a href="#">61.6090, -36.0554, 11.9586</a>

# Details

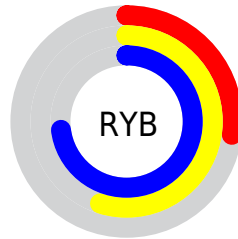
The YIQ color **145.3430, -56.5710, -37.5550** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **107.6570, 56.5710, 37.5550**, and the grayscale version is **145.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **202.8980, -53.8200, -37.8520**, and **87.6130, -66.1990, -39.2790** is the 20% darker color. If you saturate the color by 10%, you get **138.8640, -65.6480, -43.7600**, and if you desaturate by 10%, it is **151.4090, -47.7690, -31.8730**.

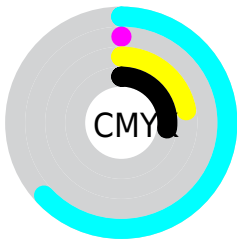
# Distribution



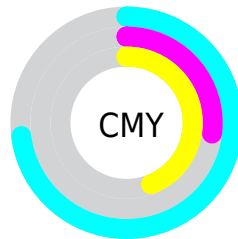
- Red (27%)
- Green (73%)
- Blue (56%)



- Red (27%)
- Yellow (55%)
- Blue (73%)



- Cyan (63%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)




- Cyan (73%)
- Magenta (27%)
- Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 145.3430, -56.5710, -37.5550 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 145.3430, -56.5710, -37.5550 by changing the saturation by 10% instead.




 145.3430,  
-56.5710, -37.5550


 145.3430,  
-56.5710, -37.5550


 255.0000, -0.0000,  
-0.0000


 115.4670,  
-62.8520, -39.3640


 202.8980,  
-53.8200, -37.8520

 87.6130, -66.1990,  
-39.2790


 222.3920,  
-49.0990, -29.7950


 69.6150, -51.3450,  
-33.1450

 234.2550,  
-40.8030, -14.9390

 52.3180, -37.0870,  
-27.2230

 243.0400,  
-23.8400, -8.4800

 35.8360, -23.7460,  
-21.2020

 252.0100, -5.9600,  
-2.1200

 20.5450, -9.6250,  
-18.3050

 0.0000, 0.0000,

0.0000

■ 145.3430,  
-56.5710, -37.5550

■ 145.3430,  
-56.5710, -37.5550

■ 138.8640,  
-65.6480, -43.7600

■ 151.4090,  
-47.7690, -31.8730

■ 132.7980,  
-74.4500, -49.4420

■ 157.8880,  
-38.6920, -25.6680

■ 126.3190,  
-83.5270, -55.6470

■ 163.9540,  
-29.8900, -19.9860

■ 122.2750,  
-89.3950, -59.4350

■ 170.4330,  
-20.8130, -13.7810

■ 176.4990,  
-12.0110, -8.0990

■ 182.9780, -2.9340,  
-1.8940

■ 189.0440, 5.8680,  
3.7880

■ 195.5230, 14.9450,  
9.9930

■ 201.5890, 23.7470,  
15.6750

# Harmonies

## Analogous

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



155.6460, -9.0720, -33.8400



145.3430, -56.5710, -37.5550



130.2720, -110.5350, -39.7430

# Triad

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



145.3430, -56.5710, -37.5550



164.5310, -40.2590, 19.2690



166.2620, 63.9120, 9.1280

# Complementary

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



145.3430, -56.5710, -37.5550



107.6570, 56.5710, 37.5550

# 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.



167.7740, 60.1950, 26.9390



145.3430, -56.5710, -37.5550



170.4890, 4.2580, 32.9780

# Square

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



145.3430, -56.5710, -37.5550



145.2630, -96.0070, -5.6630



169.9200, 39.6530, 35.7890



163.4970, 52.2240, -10.3360



# Rectangle

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



145.3430, -56.5710, -37.5550



132.5350, -118.2850, -31.4450



169.9200, 39.6530, 35.7890



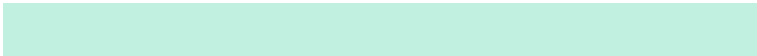
166.6630, 64.4610, 15.7010

# Sweetspot

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



145.3430, -56.5710, -37.5550



224.4220, -22.2800, -14.7280



149.5360, -6.5470, -52.0750



110.4880, -13.4780, -9.0460



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



145.3430, -56.5710, -37.5550



178.2860, -87.9280, -58.4880



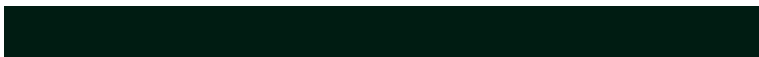
140.6250, -65.3320, -16.4360



88.9670, -4.4010, -2.8410



103.0860, -75.3210, -50.1770



18.4880, -13.4780, -9.0460



# Inverse Universe

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



107.6570, 56.5710, 37.5550



119.6000, 88.2490, 58.1770



112.3750, 65.3320, 16.4360



86.0330, 4.4010, 2.8410



52.9140, 75.3210, 50.1770

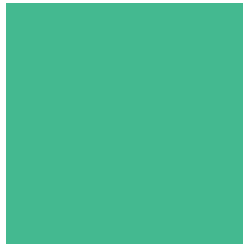


9.5120, 13.4780, 9.0460



# Previews

## White Background



This preview shows how the YIQ color 145.3430, -56.5710, -37.5550 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 145.3430, -56.5710, -37.5550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

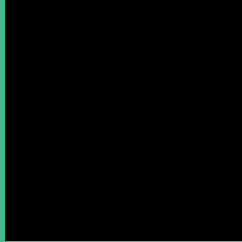
Any Text WCAG AA ✓ Pass

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 145.3430, -56.5710, -37.5550 Background



This preview shows how black text looks on a background with the YIQ color 145.3430, -56.5710, -37.5550.



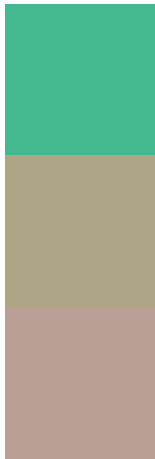
This preview shows how white text looks on a background with the YIQ color 145.3430, -56.5710, -37.5550.

-37.5550.

# 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

145.3430, -56.5710, -37.5550

### Protanopia

163.5700, 15.5900, -7.2100

### Deuteranopia

166.0470, 18.9810, 2.9250



## Tritanopia

152.2020, -59.6470, -14.8390

# Trichromacy



**Original Color**

145.3430, -56.5710, -37.5550

**Protanomaly**

157.0610, -11.1380, -18.4180

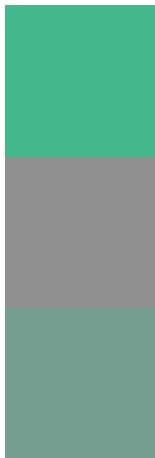
**Deuteranomaly**

158.2450, -8.4800, -11.5200

**Tritanomaly**

149.8180, -58.8660, -23.4900

# Monochromacy



**Original Color**

145.3430, -56.5710, -37.5550

**Achromatopsia**

145.0000, 0.0000, -0.0000

**Achromatomaly**

145.4330, -20.8130, -13.7810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 145.3430, -56.5710, -37.5550 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(68, 185, 144)` looks like.

```
.text, #text, p{  
    color:rgb(68, 185, 144)  
}
```

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(68, 185, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 185, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 145.3430, -56.5710, -37.5550 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(68, 185, 144) }
```



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

```
.border{ border-color:rgb(68, 185, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 185, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 185, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 185, 144);  
box-shadow:4px 4px 4px 4px rgb(68, 185,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 145.3430, -56.5710, -37.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 185, 144) }
```

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

```
.background{ background-color: rgb(68, 185,  
144) }
```

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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