

# Converting Colors

YIQ(136.4120, -42.6830,  
-13.9070)

Have a look what the booklet for  
YIQ(136.4120, -42.6830, -13.9070)  
contains.

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# Color

**YIQ(136.4120, -42.6830,  
-13.9070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	579DA0
RGB	87, 157, 160
RGB Percent	34%, 62%, 63%
CMY	0.6590, 0.3842, 0.3727
CMYK	0.46, 0.02, 0.00, 0.37
HSL	182°, 30%, 48%
HSV	182°, 46%, 63%
XYZ	22.3298, 28.6847, 37.5974
YIQ	136.4120, -42.6830, -13.9070

# Conversions

## Conversions Part 2

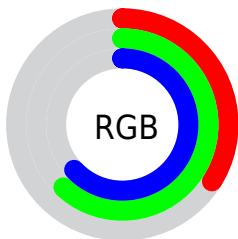
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 123, 160
Decimal	5741984
CIE <sub>Lab</sub>	60.50, -21.23, -8.41
CIE <sub>LCh</sub>	61, 22.835, 201.615
Yxy	28.6847, 0.2520, 0.3237
Android (android.graphics.Color)	4283932064 (0xFF579DA0)
YUV	136.4120, 11.6289, -43.3343
Hunter-Lab	53.5581, -19.3050, -4.1306

# Details

The YIQ color **136.4120, -42.6830, -13.9070** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **110.5880, 42.6830, 13.9070**, and the grayscale version is **136.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **191.1130, -43.2790, -14.1190**, and **83.0310, -45.9840, -14.6560** is the 20% darker color. If you saturate the color by 10%, you get **131.0410, -51.9440, -16.7760**, and if you desaturate by 10%, it is **141.7830, -33.4220, -11.0380**.

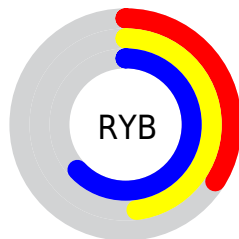
# Distribution



Red (34%)

Green (62%)

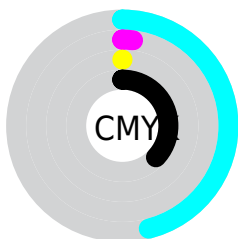
Blue (63%)



Red (34%)

Yellow (48%)

Blue (63%)

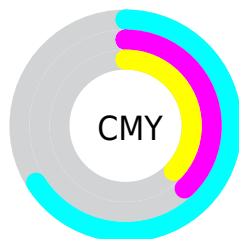


Cyan (46%)

Magenta (2%)

Yellow (0%)

Black (37%)



Cyan (66%)

Magenta (38%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.4120, -42.6830, -13.9070 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 136.4120, -42.6830, -13.9070 by changing the saturation by 10% instead.



■ 136.4120,  
-42.6830, -13.9070

■ 136.4120,  
-42.6830, -13.9070

■ 255.0000, -0.0000,  
-0.0000

■ 110.1130,  
-43.2790, -14.1190

■ 191.1130,  
-43.2790, -14.1190

■ 83.0310, -45.9840,  
-14.6560

■ 219.1130,  
-43.2790, -14.1190

■ 57.1230, -49.2390,  
-16.2390

■ 237.9570,  
-33.9720, -12.0840

■ 41.0000, -35.5310,  
-11.3630

■ 246.3290,  
-17.2840, -6.1480

■ 25.5780, -22.4190,  
-6.6990

■ 4.5140, -7.1990,  
3.8170

■ 0.0000, 0.0000,

0.0000

■ 136.4120,  
-42.6830, -13.9070

■ 136.4120,  
-42.6830, -13.9070

■ 131.0410,  
-51.9440, -16.7760

■ 141.7830,  
-33.4220, -11.0380

■ 126.2570,  
-61.4800, -20.1680

■ 146.5670,  
-23.8860, -7.6460

■ 120.8860,  
-70.7410, -23.0370

■ 151.9380,  
-14.6250, -4.7770

■ 115.5150,  
-80.0020, -25.9060

■ 157.3090, -5.3640,  
-1.9080

■ 110.7310,  
-89.5380, -29.2980

■ 162.0930, 4.1720,  
1.4840

■ 108.6380,  
-93.7100, -30.7820

■ 167.4640, 13.4330,  
4.3530

■ 172.8350, 22.6940,  
7.2220

■ 177.6190, 32.2300,  
10.6140

■ 182.9900, 41.4910,  
13.4830

# Harmonies

## Analogous

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



138.2040, -27.5980, -17.4700



136.4120, -42.6830, -13.9070



138.3720, -45.2060, -6.7260

# Triad

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



136.4120, -42.6830, -13.9070



148.9600, 6.6450, 17.2450



145.6590, 25.5850, -6.6310

# Complementary

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



136.4120, -42.6830, -13.9070



110.5880, 42.6830, 13.9070

# 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.



147.0610, 33.5610, 3.0090



136.4120, -42.6830, -13.9070



149.2300, 23.3800, 16.8200

# Square

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



136.4120, -42.6830, -13.9070



146.9620, -14.0320, 12.0160



148.4450, 32.7800, 11.6600



143.1300, 10.7770, -13.5990



# Rectangle

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



136.4120, -42.6830, -13.9070



141.0080, -38.0090, 0.5110



148.4450, 32.7800, 11.6600



145.9200, 29.3440, -3.1680

# Sweetspot

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



136.4120, -42.6830, -13.9070



199.7420, -17.0090, -5.6250



130.0790, -20.7170, -37.5570



99.0310, -10.4530, -3.2930



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



136.4120, -42.6830, -13.9070



171.6800, -67.1650, -21.7650



115.2800, -32.7830, 4.9210



76.6080, -4.7680, -1.6960



96.7210, -83.5780, -27.1780



10.5150, -8.9400, -3.1800



# Inverse Universe

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



116.8070, 21.0380, 37.2460



140.9250, 33.2300, 58.5900



131.7200, 32.7830, -4.9210



74.3040, 2.2000, 4.1840



58.3750, 41.2510, 72.9230

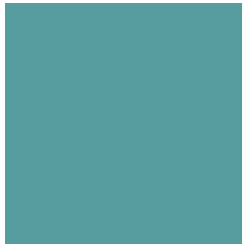


6.1950, 4.1250, 7.8450



# Previews

## White Background



This preview shows how the YIQ color 136.4120, -42.6830, -13.9070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

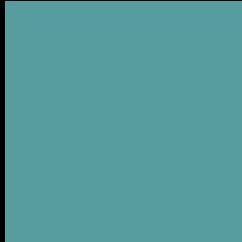
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 136.4120, -42.6830, -13.9070 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 × Fail

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

# YIQ 136.4120, -42.6830, -13.9070 Background



This preview shows how black text looks on a background with the YIQ color 136.4120, -42.6830, -13.9070.



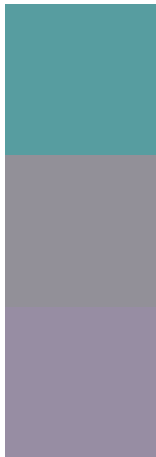
This preview shows how white text looks on a background with the YIQ color 136.4120, -42.6830, -13.9070.

-13.9070.

# 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

136.4120, -42.6830, -13.9070

### Protanopia

145.5100, -1.3760, 2.9120

### Deuteranopia

146.4980, -1.1020, 8.9620



## Tritanopia

137.6340, -43.1880, -10.2600

# Trichromacy



## Original Color

136.4120, -42.6830, -13.9070

## Protanomaly

142.5080, -16.2300, -3.2220

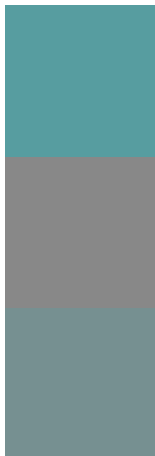
## Deuteranomaly

143.0290, -16.1390, 0.6370

## Tritanomaly

136.9930, -42.8210, -11.4050

# Monochromacy



## Original Color

136.4120, -42.6830, -13.9070

## Achromatopsia

136.0000, -0.0000, 0.0000

## Achromatomaly

136.3400, -15.8170, -5.2010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.4120, -42.6830, -13.9070 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(87, 157, 160)` looks like.

```
.text, #text, p{  
    color:rgb(87, 157, 160)  
}
```

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(87, 157, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 157, 160) }
```

## Border

The CSS property to change the border of an element to YIQ 136.4120, -42.6830, -13.9070 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(87, 157, 160) }
```



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

```
.border{ border-color:rgb(87, 157, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 157, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 157, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 157, 160);  
box-shadow:4px 4px 4px 4px rgb(87, 157,  
160) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.4120, -42.6830, -13.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 157, 160) }
```

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

```
.background{ background-color: rgb(87, 157,  
160) }
```

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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