

# Converting Colors

YIQ(80.1470, -57.8140, -9.5100)

Have a look what the booklet for  
YIQ(80.1470, -57.8140, -9.5100)  
contains.

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# Color

**YIQ(80.1470, -57.8140,  
-9.5100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	136680
RGB	19, 102, 128
RGB Percent	7%, 40%, 50%
CMY	0.9256, 0.5999, 0.4983
CMYK	0.85, 0.20, 0.00, 0.50
HSL	194°, 74%, 29%
HSV	194°, 85%, 50%
XYZ	8.9146, 11.2044, 22.0929
YIQ	80.1470, -57.8140, -9.5100

# Conversions

## Conversions Part 2

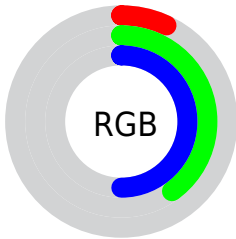
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 66, 128
Decimal	1271424
CIE <sub>Lab</sub>	39.92, -13.87, -21.11
CIE <sub>LCh</sub>	40, 25.257, 236.683
Yxy	11.2044, 0.2112, 0.2654
Android (android.graphics.Color)	4279461504 (0xFF136680)
YUV	80.1470, 23.5915, -53.6259
Hunter-Lab	33.4730, -11.0396, -15.7016

# Details

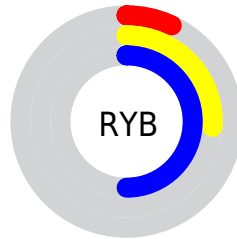
The YIQ color **80.1470, -57.8140, -9.5100** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **66.8530, 57.8140, 9.5100**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **135.5610, -50.1120, -5.9200**, and **41.2910, -40.4840, -4.1960** is the 20% darker color. If you saturate the color by 10%, you get **74.4990, -64.7370, -10.6970**, and if you desaturate by 10%, it is **85.7950, -50.8910, -8.3230**.

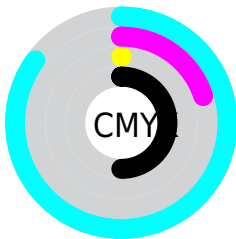
# Distribution



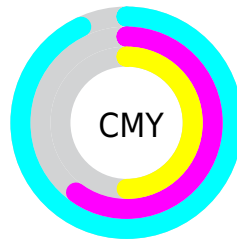
- Red (7%)
- Green (40%)
- Blue (50%)



- Red (7%)
- Yellow (26%)
- Blue (50%)



- Cyan (85%)
- Magenta (20%)
- Yellow (0%)
- Black (50%)



- Cyan (93%)
- Magenta (60%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.1470, -57.8140, -9.5100 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 80.1470, -57.8140, -9.5100 by changing the saturation by 10% instead.



80.1470, -57.8140,  
-9.5100

80.1470, -57.8140,  
-9.5100

255.0000, -0.0000,  
-0.0000

57.5280, -54.5130,  
-8.7610

135.5610,  
-50.1120, -5.9200

41.2910, -40.4840,  
-4.1960

162.8600,  
-49.5160, -5.7080

26.3420, -27.3260,  
-0.3660

190.3870,  
-49.5620, -4.8740

5.1640, -11.7850,  
9.8390

217.8340,  
-46.6270, -8.5070

1.0260, -2.8890,  
2.7990

237.6580,  
-34.5680, -12.2960

0.0000, 0.0000,  
0.0000

246.3290,

-17.2840, -6.1480

■ 80.1470, -57.8140,  
-9.5100

■ 80.1470, -57.8140,  
-9.5100

■ 74.4990, -64.7370,  
-10.6970

■ 85.7950, -50.8910,  
-8.3230

■ 72.1180, -68.0380,  
-11.4460

■ 91.4430, -43.9680,  
-7.1360

■ 96.7920, -37.6410,  
-6.1610

■ 102.4400,  
-30.7180, -4.9740

■ 108.0880,  
-23.7950, -3.7870

■ 113.7360,  
-16.8720, -2.6000

■ 119.3840, -9.9490,  
-1.4130

■ 124.7330, -3.6220,  
-0.4380

■ 130.3810, 3.3010,  
0.7490

# Harmonies

## Analogous

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



74.4030, -64.8270, -20.0830



80.1470, -57.8140, -9.5100



90.2690, -34.2500, 3.9740

# Triad

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



80.1470, -57.8140, -9.5100



96.3120, 26.0850, 17.3570



90.5210, 8.1180, -14.9700

# Complementary

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



80.1470, -57.8140, -9.5100



66.8530, 57.8140, 9.5100

# 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.



92.9360, 23.2470, -8.3130



80.1470, -57.8140, -9.5100



95.2170, 33.4220, 11.0380

# Square

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



80.1470, -57.8140, -9.5100



96.7540, 10.2210, 18.5170



94.4090, 32.4610, 0.9170



87.6910, -12.9720, -18.2200



# Rectangle

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



80.1470, -57.8140, -9.5100



93.9830, -18.5250, 10.8430



94.4090, 32.4610, 0.9170



91.2120, 13.4820, -13.0620

# Sweetspot

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



80.1470, -57.8140, -9.5100



147.2730, -22.8780, -3.8860



85.8330, -38.0000, -49.2320



72.7040, -13.8460, -2.3740



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



80.1470, -57.8140, -9.5100



92.8860, -87.9360, -14.2720



48.4490, -42.9640, 18.7320



60.7330, -3.6220, -0.4380



71.5310, -67.7630, -10.9230



0.0000, 0.0000, 0.0000



# Inverse Universe

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



61.0530, 38.3210, 48.9210



63.9980, 58.4900, 74.3780



98.5510, 42.9640, -18.7320



59.6630, 2.5670, 3.0390



49.3300, 45.1510, 57.3030



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 80.1470, -57.8140, -9.5100 looks on a white 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



# Black Background



This preview shows how the YIQ color 80.1470, -57.8140, -9.5100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

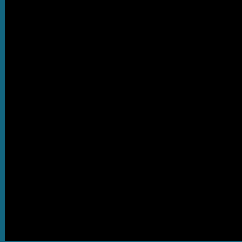
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 80.1470, -57.8140, -9.5100

## Background



This preview shows how black text looks on a background with the YIQ color 80.1470, -57.8140, -9.5100.



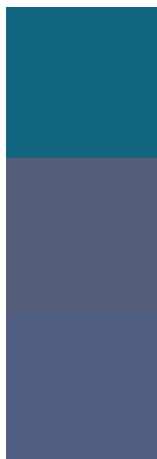
This preview shows how white text looks on a background with the YIQ color 80.1470, -57.8140,

-9.5100.

# 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

80.1470, -57.8140, -9.5100

### Protanopia

94.0990, -13.1600, 7.2240

### Deuteranopia

93.9290, -18.4330, 9.1750



## Tritanopia

73.9300, -64.8730, -19.2490

# Trichromacy



## Original Color

80.1470, -57.8140, -9.5100

## Protanomaly

89.0260, -29.2520, 1.5000

## Deuteranomaly

88.6990, -32.6450, 2.4190

## Tritanomaly

76.0060, -62.0310, -15.6870

# Monochromacy



## Original Color

80.1470, -57.8140, -9.5100

## Achromatopsia

80.0000, 0.0000, -0.0000

## Achromatomaly

80.0560, -20.7690, -3.5610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.1470, -57.8140, -9.5100 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, 102, 128)` looks like.

```
.text, #text, p{  
    color:rgb(19, 102, 128)  
}
```

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, 102, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 102, 128) }
```

## Border

The CSS property to change the border of an element to YIQ 80.1470, -57.8140, -9.5100 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, 102, 128) }
```



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

```
.border{ border-color:rgb(19, 102, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 102, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 102, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 102, 128);  
box-shadow:4px 4px 4px 4px rgb(19, 102,  
128) }
```

# Background

The CSS property to change the background color of an element to YIQ 80.1470, -57.8140, -9.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 102, 128) }
```

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

```
.background{ background-color: rgb(19, 102,  
128) }
```

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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