

# Converting Colors

YIQ(80.9480, -64.1430, 0.5690)

Have a look what the booklet for  
YIQ(80.9480, -64.1430, 0.5690)  
contains.

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# Color

**YIQ(80.9480, -64.1430,  
0.5690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	146299
RGB	20, 98, 153
RGB Percent	8%, 38%, 60%
CMY	0.9217, 0.6156, 0.4003
CMYK	0.87, 0.36, 0.00, 0.40
HSL	205°, 77%, 34%
HSV	205°, 87%, 60%
XYZ	10.4020, 11.1873, 31.7153
YIQ	80.9480, -64.1430, 0.5690

# Conversions

## Conversions Part 2

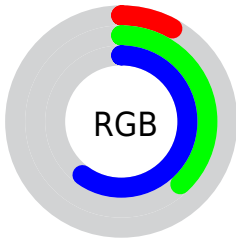
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 69, 153
Decimal	1335961
CIE <sub>Lab</sub>	39.89, -1.76, -36.21
CIE <sub>LCh</sub>	40, 36.250, 267.219
Yxy	11.1873, 0.1951, 0.2099
Android (android.graphics.Color)	4279526041 (0xFF146299)
YUV	80.9480, 35.5216, -53.4514
Hunter-Lab	33.4474, -3.0201, -32.8066

# Details

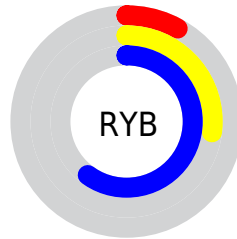
The YIQ color **80.9480, -64.1430, 0.5690** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **92.0520, 64.1430, -0.5690**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **137.4980, -53.8280, 6.3640**, and **42.0380, -46.7210, 4.2150** is the 20% darker color. If you saturate the color by 10%, you get **72.9410, -71.4330, 0.5270**, and if you desaturate by 10%, it is **88.9550, -56.8530, 0.6110**.

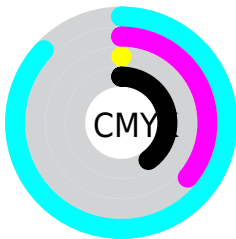
# Distribution



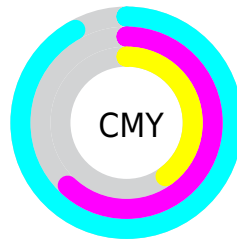
- Red (8%)
- Green (38%)
- Blue (60%)



- Red (8%)
- Yellow (27%)
- Blue (60%)



- Cyan (87%)
- Magenta (36%)
- Yellow (0%)
- Black (40%)



- Cyan (92%)
- Magenta (62%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.9480, -64.1430, 0.5690 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 80.9480, -64.1430, 0.5690 by changing the saturation by 10% instead.



80.9480, -64.1430,  
0.5690

80.9480, -64.1430,  
0.5690

255.0000, -0.0000,  
-0.0000

57.9160, -61.1170,  
0.7950

137.4980,  
-53.8280, 6.3640

42.0380, -46.7210,  
4.2150

165.2100,  
-52.9570, 7.0990

27.5620, -33.5170,  
7.2110

191.8960,  
-49.1970, 5.0350

9.0910, -18.7090,  
14.1790

216.7040,  
-40.2090, -3.6730

4.8220, -10.8220,  
8.9060

240.3490,  
-29.2040, -10.3880

0.4560, -1.2840,  
1.2440

249.0200,

0.0000, 0.0000,

-11.9200, -4.2400

0.0000

■ 80.9480, -64.1430,  
0.5690

■ 80.9480, -64.1430,  
0.5690

■ 72.9410, -71.4330,  
0.5270

■ 88.9550, -56.8530,  
0.6110

■ 70.2720, -73.8630,  
0.5130

■ 97.8480, -49.2420,  
0.3420

■ 105.8550,  
-41.9520, 0.3840

■ 113.8620,  
-34.6620, 0.4260

■ 122.4560,  
-27.6470, -0.0550

■ 130.7620,  
-19.7610, 0.1990

■ 138.7690,  
-12.4710, 0.2410

■ 147.3630, -5.4560,  
-0.2400

■ 155.6690, 2.4300,  
0.0140

# Harmonies

## Analogous

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



77.9370, -74.7780, -10.4420



80.9480, -64.1430, 0.5690



95.0360, -16.8760, 19.5080

# Triad

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



80.9480, -64.1430, 0.5690



93.7950, 46.5340, 15.7020



82.9300, -21.3150, -26.7150

# Complementary

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



80.9480, -64.1430, 0.5690



92.0520, 64.1430, -0.5690

# 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.



88.2620, 10.0450, -22.3630



80.9480, -64.1430, 0.5690



92.7540, 44.6110, 0.9870

# Square

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



80.9480, -64.1430, 0.5690



94.7420, 36.8580, 25.8660



90.8520, 32.0510, -13.6850



73.6560, -58.5900, -28.4940



# Rectangle

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



80.9480, -64.1430, 0.5690



96.9310, 5.5890, 25.3730



90.8520, 32.0510, -13.6850



84.9160, -9.5320, -25.5000

# Sweetspot

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



80.9480, -64.1430, 0.5690



171.1250, -25.2170, -0.0410



104.1130, -53.5880, -53.0760



82.9860, -14.5800, -0.0840



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



80.9480, -64.1430, 0.5690



91.3650, -96.0540, 0.6980



42.7930, -46.2680, 34.5640



72.2600, -3.6680, 0.3960



64.0940, -67.4900, 0.6540



5.5910, -6.0980, 0.3820



# Inverse Universe

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



68.6590, 54.2300, 52.4540



72.8390, 81.0470, 78.5750



130.2070, 46.2680, -34.5640



71.8480, 3.4840, 2.9400



51.2080, 57.1180, 55.1820



4.6850, 5.5010, 4.9330



# Previews

## White Background



This preview shows how the YIQ color 80.9480, -64.1430, 0.5690 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 80.9480, -64.1430, 0.5690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

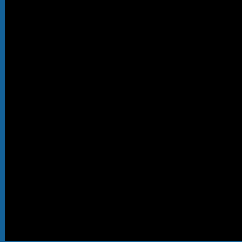
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 80.9480, -64.1430, 0.5690**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.9480, -64.1430, 0.5690.



This preview shows how white text looks on a background with the YIQ color 80.9480, -64.1430,



# 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

80.9480, -64.1430, 0.5690

### Protanopia

92.5890, -28.9790, 13.0770

### Deuteranopia

89.4780, -41.9080, 10.6040

# Trichromacy



## Original Color

80.9480, -64.1430, 0.5690

## Protanomaly

88.3100, -41.4950, 8.6250

## Deuteranomaly

86.1780, -49.9310, 7.3250

# Monochromacy



## Original Color

80.9480, -64.1430, 0.5690

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.9080, -23.1080, 0.2840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.9480, -64.1430, 0.5690 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(20, 98, 153)` looks like.

```
.text, #text, p{  
    color:rgb(20, 98, 153)  
}
```

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(20, 98, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 98, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 80.9480, -64.1430, 0.5690 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(20, 98, 153) }
```

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

```
.border{ border-color:rgb(20, 98, 153) }
```

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

Here you see how a box with a 4 pixel rgb(20, 98, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 98, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 98, 153);  
box-shadow:4px 4px 4px 4px rgb(20, 98,  
153) }
```



# Background

The CSS property to change the background color of an element to YIQ 80.9480, -64.1430, 0.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 98, 153) }
```

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

```
.background{ background-color: rgb(20, 98,  
153) }
```

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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