

# Converting Colors

YIQ(82.7130, -87.9860, 8.6700)

Have a look what the booklet for  
YIQ(82.7130, -87.9860, 8.6700)  
contains.

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# Color

**YIQ(82.7130, -87.9860,  
8.6700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0465C3
RGB	4, 101, 195
RGB Percent	2%, 40%, 76%
CMY	0.9843, 0.6038, 0.2357
CMYK	0.98, 0.48, 0.00, 0.24
HSL	209°, 96%, 39%
HSV	209°, 98%, 76%
XYZ	14.5453, 13.2761, 53.3619
YIQ	82.7130, -87.9860, 8.6700

# Conversions

## Conversions Part 2

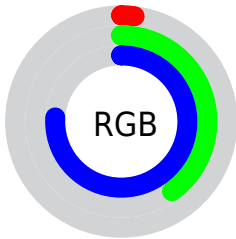
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 68, 195
Decimal	288195
CIE <sub>Lab</sub>	43.18, 12.37, -55.66
CIE <sub>LCh</sub>	43, 57.014, 282.534
Yxy	13.2761, 0.1792, 0.1635
Android (android.graphics.Color)	4278478275 (0xFF0465C3)
YUV	82.7130, 55.3575, -69.0313
Hunter-Lab	36.4364, 7.4931, -61.3260

# Details

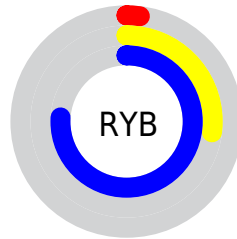
The YIQ color **82.7130, -87.9860, 8.6700** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **116.2870, 87.9860, -8.6700**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **146.3680, -64.6050, 19.9630**, and **48.8320, -60.3400, 14.2520** is the 20% darker color. If you saturate the color by 10%, you get **80.3430, -89.8200, 8.8680**, and if you desaturate by 10%, it is **94.2640, -79.4120, 7.4680**.

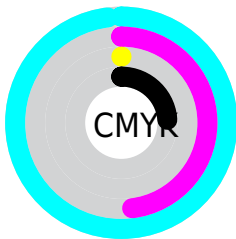
# Distribution



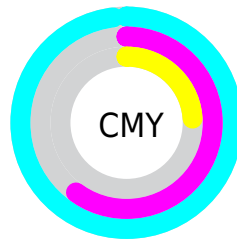
- Red (2%)
- Green (40%)
- Blue (76%)



- Red (2%)
- Yellow (27%)
- Blue (76%)



- Cyan (98%)
- Magenta (48%)
- Yellow (0%)
- Black (24%)



- Cyan (98%)
- Magenta (60%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.7130, -87.9860, 8.6700 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 82.7130, -87.9860, 8.6700 by changing the saturation by 10% instead.



■ 82.7130, -87.9860,  
8.6700

■ 82.7130, -87.9860,  
8.6700

■ 255.0000, -0.0000,  
-0.0000

■ 64.8240, -75.0570,  
11.1430

■ 146.3680,  
-64.6050, 19.9630

■ 48.8320, -60.3400,  
14.2520

■ 171.8280,  
-54.5170, 13.3470

■ 33.5410, -46.2190,  
17.1490

■ 196.9460,  
-43.4660, 5.7980

■ 18.3640, -32.4190,  
20.3570

■ 222.3520,  
-33.2860, -2.4860

■ 11.5190, -22.7900,  
16.5540

■ 244.2360,  
-21.4560, -7.6320

■ 6.5490, -14.3070,  
11.4930

■ 253.5050, -2.9800,

■ 2.8670, -6.6950,

-1.0600

5.6970

■ 0.0000, 0.0000,  
0.0000

■ 82.7130, -87.9860,  
8.6700

■ 82.7130, -87.9860,  
8.6700

■ 80.3430, -89.8200,  
8.8680

■ 94.2640, -79.4120,  
7.4680

■ 105.5270,  
-69.9670, 7.0010

■ 117.0780,  
-61.3930, 5.7990

■ 128.3410,  
-51.9480, 5.3320

■ 139.8920,  
-43.3740, 4.1300

■ 151.7420,  
-34.2040, 3.1400

■ 162.7060,  
-25.3550, 2.4610

■ 174.5560,  
-16.1850, 1.4710

■ 185.5200, -7.3360,  
0.7920

# Harmonies

## Analogous

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



89.3930, -93.2570, -0.4330



82.7130, -87.9860, 8.6700



104.8400, -0.9240, 38.7880

# Triad

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



82.7130, -87.9860, 8.6700



96.5020, 72.1640, 13.7640



79.8220, -56.6620, -41.4140

# Complementary

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



82.7130, -87.9860, 8.6700



116.2870, 87.9860, -8.6700

# 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.



85.6640, -9.4830, -42.9150



82.7130, -87.9860, 8.6700



96.4840, 62.2660, -16.1180

# Square

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



82.7130, -87.9860, 8.6700



94.2410, 69.5460, 39.1940



93.6170, 33.4300, -33.1780



85.9950, -72.6660, -26.6980



# Rectangle

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



82.7130, -87.9860, 8.6700



102.3510, 31.4900, 46.0660



93.6170, 33.4300, -33.1780



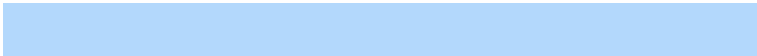
76.8240, -50.9760, -45.3440

# Sweetspot

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



82.7130, -87.9860, 8.6700



209.0410, -33.6080, 3.3520



126.6050, -82.0570, -71.2810



101.6310, -20.7700, 1.9660



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



82.7130, -87.9860, 8.6700



103.8640, -116.0920, 11.4280



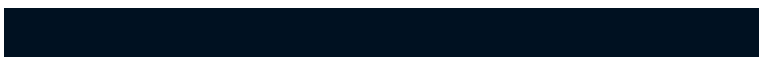
27.5350, -62.1360, 57.8320



91.0750, -4.5850, 0.4950



66.4880, -74.2310, 7.1850



13.7410, -15.2680, 1.3720



# Inverse Universe

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



72.1670, 82.6990, 70.6590



89.9400, 109.1040, 93.2320



171.4650, 62.1360, -57.8320



90.5600, 4.3550, 3.6750



57.4870, 69.6340, 59.6340



11.8050, 14.2110, 12.2830



# Previews

## White Background



This preview shows how the YIQ color 82.7130, -87.9860, 8.6700 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 82.7130, -87.9860, 8.6700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

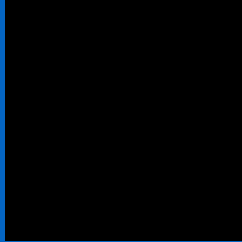
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 82.7130, -87.9860, 8.6700**

## **Background**



This preview shows how black text looks on a background with the YIQ color 82.7130, -87.9860, 8.6700.



This preview shows how white text looks on a background with the YIQ color 82.7130, -87.9860,



# 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

82.7130, -87.9860, 8.6700

### Protanopia

94.3640, -58.7820, 19.0580

### Deuteranopia

81.7960, -87.0220, 2.2100



## Tritanopia

80.0110, -69.5950, -21.7790

# Trichromacy



## Original Color

82.7130, -87.9860, 8.6700

## Protanomaly

89.9820, -69.5100, 15.2420

## Deuteranomaly

82.0780, -87.7560, 4.5000

## Tritanomaly

81.0400, -76.5660, -11.0780

# Monochromacy



## Original Color

82.7130, -87.9860, 8.6700

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

83.1120, -32.3700, 2.9420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.7130, -87.9860, 8.6700 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(4, 101, 195)` looks like.

```
.text, #text, p{  
    color:rgb(4, 101, 195)  
}
```

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(4, 101, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 101, 195) }
```

## Border

The CSS property to change the border of an element to YIQ 82.7130, -87.9860, 8.6700 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(4, 101, 195) }
```



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

```
.border{ border-color:rgb(4, 101, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 101, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 101, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 101, 195);  
box-shadow:4px 4px 4px 4px rgb(4, 101,  
195) }
```

# Background

The CSS property to change the background color of an element to YIQ 82.7130, -87.9860, 8.6700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 101, 195) }
```

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

```
.background{ background-color: rgb(4, 101,  
195) }
```

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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