

Converting Colors

YIQ(83.1740, -87.6660, 13.8860)

Have a look what the booklet for
YIQ(83.1740, -87.6660, 13.8860)
contains.

YIQ(83.1740, -87.6660, 13.8860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YIQ(83.1740, -87.6660,
13.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	0862CC
RGB	8, 98, 204
RGB Percent	3%, 38%, 80%
CMY	0.9686, 0.6155, 0.2004
CMYK	0.96, 0.52, 0.00, 0.20
HSL	212°, 92%, 42%
HSV	212°, 96%, 80%
XYZ	15.3568, 13.1483, 58.7863
YIQ	83.1740, -87.6660, 13.8860

Conversions

Conversions Part 2

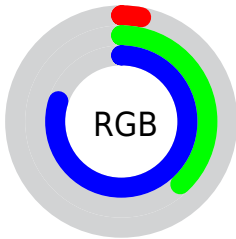
Format	Color
RYB	8, 70, 204
Decimal	549580
CIELab	42.99, 18.08, -61.16
CIELCh	43, 63.772, 286.468
Yxy	13.1483, 0.1759, 0.1506
Android (android.graphics.Color)	4278739660 (0xFF0862CC)
YUV	83.1740, 59.5672, -65.9276
Hunter-Lab	36.2605, 12.1414, -70.7398

Details

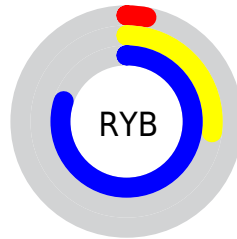
The YIQ color **83.1740, -87.6660, 13.8860** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **128.8260, 87.6660, -13.8860**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **146.1450, -62.3590, 23.3130**, and **48.0970, -62.4040, 18.6200** is the 20% darker color. If you saturate the color by 10%, you get **78.4340, -91.3340, 14.2820**, and if you desaturate by 10%, it is **95.6110, -78.7710, 12.3730**.

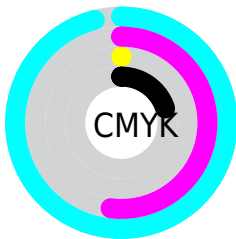
Distribution



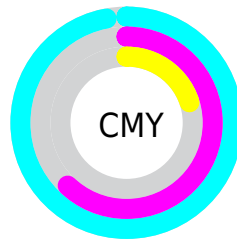
- Red (3%)
- Green (38%)
- Blue (80%)



- Red (3%)
- Yellow (27%)
- Blue (80%)



- Cyan (96%)
- Magenta (52%)
- Yellow (0%)
- Black (20%)



- Cyan (97%)
- Magenta (62%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.1740, -87.6660, 13.8860 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 83.1740, -87.6660, 13.8860 by changing the saturation by 10% instead.

■ 83.1740, -87.6660,
13.8860

■ 83.1740, -87.6660,
13.8860

■ 255.0000, -0.0000,
-0.0000

■ 64.0890, -77.1210,
15.5110

■ 146.1450,
-62.3590, 23.3130

■ 48.0970, -62.4040,
18.6200

■ 170.6760,
-51.0330, 16.2870

■ 33.2790, -48.2370,
20.6830

■ 196.3810,
-40.2570, 8.2150

■ 18.1020, -34.4370,
23.8910

■ 222.0860,
-29.4810, 0.1430

■ 12.9040, -25.3120,
18.2080

■ 245.7310,
-18.4760, -6.5720

■ 7.9340, -16.8290,
13.1470

■ 3.6650, -8.9420,

7.8740

■ 0.0000, 0.0000,
0.0000

■ 83.1740, -87.6660,
13.8860

■ 83.1740, -87.6660,
13.8860

■ 78.4340, -91.3340,
14.2820

■ 95.6110, -78.7710,
12.3730

■ 108.3470,
-69.2800, 11.0720

■ 120.7840,
-60.3850, 9.5590

■ 133.5200,
-50.8940, 8.2580

■ 145.9570,
-41.9990, 6.7450

■ 158.3940,
-33.1040, 5.2320

■ 171.1300,
-23.6130, 3.9310

■ 183.5670,
-14.7180, 2.4180

■ 196.3030, -5.2270,
1.1170

Harmonies

Analogous

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



90.8750, -97.4300, 3.6100



83.1740, -87.6660, 13.8860



103.7750, 6.8690, 46.2370

Triad

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



83.1740, -87.6660, 13.8860



93.8140, 79.9130, 10.9930



80.7510, -57.9000, -41.0040

Complementary

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



83.1740, -87.6660, 13.8860



128.8260, 87.6660, -13.8860

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.



76.6570, -25.9410, -53.0210



83.1740, -87.6660, 13.8860



95.5870, 60.4780, -16.7540

Square

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



83.1740, -87.6660, 13.8860



87.9760, 80.7780, 44.8900



92.1000, 27.5160, -36.1320



87.6080, -75.8300, -24.4220

Rectangle

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



83.1740, -87.6660, 13.8860



97.8950, 41.9420, 54.8860



92.1000, 27.5160, -36.1320



77.9980, -51.5260, -46.3900

Sweetspot

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



83.1740, -87.6660, 13.8860



209.3940, -33.1040, 5.2320



134.9080, -87.2840, -70.1640



99.8700, -19.9450, 3.5350



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.



83.1740, -87.6660, 13.8860



97.7490, -114.0300, 18.1140



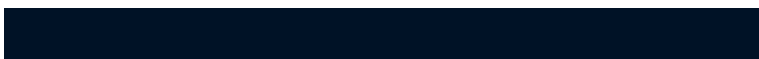
32.4370, -58.7440, 62.4400



95.4880, -4.3100, 1.0180



63.5360, -74.1860, 11.8780



14.8980, -17.1480, 2.4040

Inverse Universe

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



76.8640, 87.9260, 69.5420



89.5830, 114.4230, 90.4470



179.5630, 58.7440, -62.4400



95.4460, 4.6760, 3.3640



58.2980, 74.5400, 58.8280



13.4140, 16.8700, 13.6540

Previews

White Background



This preview shows how the YIQ color 83.1740, -87.6660, 13.8860 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 83.1740, -87.6660, 13.8860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

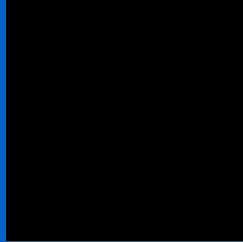
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.1740, -87.6660, 13.8860

Background



This preview shows how black text looks on a background with the YIQ color 83.1740, -87.6660, 13.8860.



This preview shows how white text looks on a background with the YIQ color 83.1740, -87.6660,

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

83.1740, -87.6660, 13.8860

Protanopia

88.1540, -75.7460, 18.1260

Tritanopia

79.3100, -68.9990, -21.5670

Trichromacy



Original Color

83.1740, -87.6660, 13.8860

Protanomaly

86.0610, -79.9180, 16.6420

Tritanomaly

80.8060, -75.7870, -8.6750

Monochromacy



Original Color

83.1740, -87.6660, 13.8860

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.8780, -31.5910, 5.3450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.1740, -87.6660, 13.8860 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(8, 98, 204)` looks like.

```
.text, #text, p{  
    color:rgb(8, 98, 204)  
}
```

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(8, 98, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 98, 204) }
```

Border

The CSS property to change the border of an element to YIQ 83.1740, -87.6660, 13.8860 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(8, 98, 204) }
```

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

```
.border{ border-color:rgb(8, 98, 204) }
```

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

Here you see how a box with a 4 pixel rgb(8, 98, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 98, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 98, 204);  
box-shadow:4px 4px 4px 4px rgb(8, 98, 204)  
}
```


Background

The CSS property to change the background color of an element to YIQ 83.1740, -87.6660, 13.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 98, 204) }
```

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

```
.background{ background-color: rgb(8, 98,  
204) }
```

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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