

Converting Colors

YIQ(86.8050, -91.2410, 7.0870)

Have a look what the booklet for
YIQ(86.8050, -91.2410, 7.0870)
contains.

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Color

**YIQ(86.8050, -91.2410,
7.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	046BC8
RGB	4, 107, 200
RGB Percent	2%, 42%, 78%
CMY	0.9843, 0.5802, 0.2161
CMYK	0.98, 0.46, 0.00, 0.22
HSL	208°, 96%, 40%
HSV	208°, 98%, 78%
XYZ	15.7241, 14.7149, 56.5873
YIQ	86.8050, -91.2410, 7.0870

Conversions

Conversions Part 2

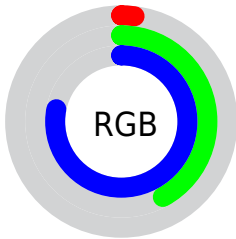
Format	Color
RYB	4, 72, 200
Decimal	289736
CIELab	45.24, 10.51, -55.21
CIELCh	45, 56.202, 280.778
Yxy	14.7149, 0.1807, 0.1691
Android (android.graphics.Color)	4278479816 (0xFF046BC8)
YUV	86.8050, 55.8051, -72.6200
Hunter-Lab	38.3600, 6.0385, -60.6103

Details

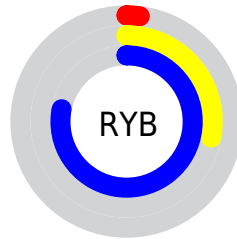
The YIQ color **86.8050, -91.2410, 7.0870** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **117.1950, 91.2410, -7.0870**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.1180, -66.8970, 17.4470**, and **52.3370, -63.3200, 13.1920** is the 20% darker color. If you saturate the color by 10%, you get **84.4350, -93.0750, 7.2850**, and if you desaturate by 10%, it is **98.6550, -82.0710, 6.0970**.

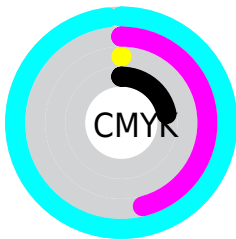
Distribution



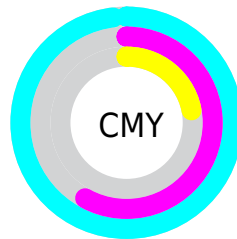
- Red (2%)
- Green (42%)
- Blue (78%)



- Red (2%)
- Yellow (28%)
- Blue (78%)



- Cyan (98%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.8050, -91.2410, 7.0870 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 86.8050, -91.2410, 7.0870 by changing the saturation by 10% instead.

■ 86.8050, -91.2410,
7.0870

■ 86.8050, -91.2410,
7.0870

■ 255.0000, -0.0000,
-0.0000

■ 68.3290, -78.0370,
10.0830

■ 151.1180,
-66.8970, 17.4470

■ 52.3370, -63.3200,
13.1920

■ 175.9480,
-54.9750, 10.6330

■ 37.0460, -49.1990,
16.0890

■ 201.6530,
-44.1990, 2.5610

■ 22.9290, -35.6280,
17.9400

■ 227.0590,
-34.0190, -5.7230

■ 12.5620, -24.3490,
17.2750

■ 244.8340,
-20.2640, -7.2080

■ 7.5920, -15.8660,
12.2140

■ 254.1030, -1.7880,

■ 3.3230, -7.9790,

-0.6360

6.9410

■ 0.0000, 0.0000,
0.0000

■ 86.8050, -91.2410,
7.0870

■ 86.8050, -91.2410,
7.0870

■ 84.4350, -93.0750,
7.2850

■ 98.6550, -82.0710,
6.0970

■ 109.9180,
-72.6260, 5.6300

■ 121.1810,
-63.1810, 5.1630

■ 133.0310,
-54.0110, 4.1730

■ 144.2940,
-44.5660, 3.7060

■ 156.1440,
-35.3960, 2.7160

■ 167.4070,
-25.9510, 2.2490

■ 179.2570,
-16.7810, 1.2590

■ 190.5200, -7.3360,
0.7920

Harmonies

Analogous

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



93.3710, -96.1910, -2.3270



86.8050, -91.2410, 7.0870



109.7580, -3.6290, 38.2510

Triad

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



86.8050, -91.2410, 7.0870



101.8550, 72.6680, 15.6440



82.9850, -58.6790, -43.4070

Complementary

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



86.8050, -91.2410, 7.0870



117.1950, 91.2410, -7.0870

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.



92.3440, -5.5860, -41.9540



86.8050, -91.2410, 7.0870



101.0390, 65.0170, -16.4150

Square

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



86.8050, -91.2410, 7.0870



100.7570, 68.0330, 39.0810



98.3570, 37.0980, -33.5740



89.7450, -74.9580, -29.2140

Rectangle

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



86.8050, -91.2410, 7.0870



108.2690, 28.7850, 45.5290



98.3570, 37.0980, -33.5740



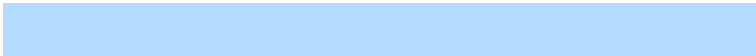
79.9870, -52.9930, -47.3370

Sweetspot

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



86.8050, -91.2410, 7.0870



212.3290, -34.4790, 2.6170



129.4260, -83.1110, -74.2070



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.



86.8050, -91.2410, 7.0870



107.7280, -118.7050, 9.2230



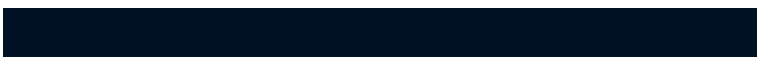
30.4530, -64.8410, 57.2950



93.9610, -4.2640, 0.1840



69.0640, -75.9730, 5.7150



15.2570, -16.7810, 1.2590

Inverse Universe

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



74.3460, 83.7530, 73.5850



91.5210, 108.9660, 95.7340



173.5470, 64.8410, -57.2950



93.2610, 3.7590, 3.4630



58.5410, 69.5420, 61.3020



12.9300, 15.3570, 13.5410

Previews

White Background



This preview shows how the YIQ color 86.8050, -91.2410, 7.0870 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 86.8050, -91.2410, 7.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

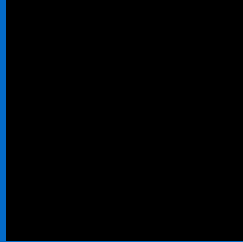
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.8050, -91.2410, 7.0870

Background



This preview shows how black text looks on a background with the YIQ color 86.8050, -91.2410, 7.0870.



This preview shows how white text looks on a background with the YIQ color 86.8050, -91.2410,

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

86.8050, -91.2410, 7.0870

Protanopia

101.0330, -56.3520, 19.0720

Deuteranopia

85.7570, -91.2860, 2.3940



Tritanopia

84.2170, -73.1710, -23.0510

Trichromacy



Original Color

86.8050, -91.2410, 7.0870

Protanomaly

95.7540, -68.8680, 14.6200

Deuteranomaly

85.8110, -91.3780, 4.0620

Tritanomaly

85.2460, -80.1420, -12.3500

Monochromacy



Original Color

86.8050, -91.2410, 7.0870

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.8130, -32.9660, 2.7300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.8050, -91.2410, 7.0870 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, 107, 200)` looks like.

```
.text, #text, p{  
    color:rgb(4, 107, 200)  
}
```

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, 107, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 107, 200) }
```

Border

The CSS property to change the border of an element to YIQ 86.8050, -91.2410, 7.0870 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, 107, 200) }
```


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

```
.border{ border-color:rgb(4, 107, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 107, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 107, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 107, 200);  
box-shadow:4px 4px 4px 4px rgb(4, 107,  
200) }
```

Background

The CSS property to change the background color of an element to YIQ 86.8050, -91.2410, 7.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 107, 200) }
```

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

```
.background{ background-color: rgb(4, 107,  
200) }
```

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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