

Converting Colors

YIQ(106.8580, -90.7330,
-13.1410)

Have a look what the booklet for
YIQ(106.8580, -90.7330, -13.1410)
contains.

YIQ(106.8580, -90.7330, -13.1410)	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>	31

Color

**YIQ(106.8580, -90.7330,
-13.1410)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8CB9
RGB	12, 140, 185
RGB Percent	5%, 55%, 73%
CMY	0.9531, 0.4508, 0.2749
CMYK	0.94, 0.24, 0.00, 0.27
HSL	196°, 88%, 39%
HSV	196°, 94%, 73%
XYZ	18.2829, 22.3481, 49.1932
YIQ	106.8580, -90.7330, -13.1410

Conversions

Conversions Part 2

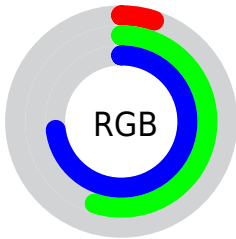
Format	Color
R_{YB}	12, 86, 185
Decimal	822457
CIE _{Lab}	54.39, -14.80, -32.10
CIE _{LCh}	54, 35.342, 245.251
Yxy	22.3481, 0.2035, 0.2488
Android (android.graphics.Color)	4279012537 (0xFF0C8CB9)
YUV	106.8580, 38.5240, -83.1905
Hunter-Lab	47.2738, -13.6951, -28.6057

Details

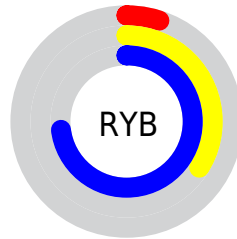
The YIQ color **106.8580, -90.7330, -13.1410** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **90.1420, 90.7330, 13.1410**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.3550, -72.8990, -5.9470**, and **67.8780, -67.1220, -6.0180** is the 20% darker color. If you saturate the color by 10%, you get **101.5090, -97.0600, -14.1160**, and if you desaturate by 10%, it is **115.1750, -81.3800, -11.9400**.

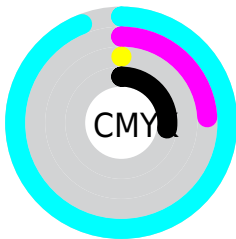
Distribution



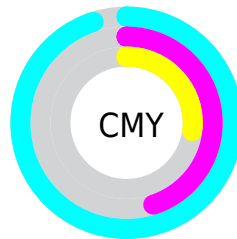
- Red (5%)
- Green (55%)
- Blue (73%)



- Red (5%)
- Yellow (34%)
- Blue (73%)



- Cyan (94%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)



- Cyan (95%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 106.8580, -90.7330, -13.1410 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 106.8580, -90.7330, -13.1410 by changing the saturation by 10% instead.

■ 106.8580,
-90.7330, -13.1410

■ 106.8580,
-90.7330, -13.1410

■ 255.0000, -0.0000,
-0.0000

■ 85.5170, -82.3430,
-11.0070

■ 170.3550,
-72.8990, -5.9470

■ 67.8780, -67.1220,
-6.0180

■ 197.6560,
-66.6170, -9.6650

■ 51.4130, -52.4510,
-2.0750

■ 223.0620,
-56.4370, -17.9490

■ 35.1760, -38.4220,
2.4900

■ 234.9670,
-39.9320, -14.2040

■ 21.2870, -25.4930,
4.9630

■ 243.9370,
-22.0520, -7.8440

■ 5.2780, -12.1060,
10.1500

■ 253.2060, -3.5760,

■ 1.3680, -3.8520,

-1.2720

3.7320

■ 0.0000, 0.0000,
0.0000

■ 106.8580,
-90.7330, -13.1410

■ 106.8580,
-90.7330, -13.1410

■ 101.5090,
-97.0600, -14.1160

■ 115.1750,
-81.3800, -11.9400

■ 123.7910,
-71.4310, -10.5270

■ 131.5210,
-61.8030, -8.8030

■ 140.1370,
-51.8540, -7.3900

■ 148.4540,
-42.5010, -6.1890

■ 157.0700,
-32.5520, -4.7760

■ 165.3870,
-23.1990, -3.5750

■ 173.4160,
-12.9750, -1.6390

■ 181.7330, -3.6220,
-0.4380

Harmonies

Analogous

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



103.8110, -92.5190, -24.8310



106.8580, -90.7330, -13.1410



126.1790, -42.5040, 10.3920

Triad

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



106.8580, -90.7330, -13.1410



132.2110, 42.7270, 24.1270



124.0870, 3.1680, -24.3840

Complementary

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



106.8580, -90.7330, -13.1410



90.1420, 90.7330, 13.1410

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.



127.1180, 28.2460, -16.3140



106.8580, -90.7330, -13.1410



131.1280, 49.7900, 11.7580

Square

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



106.8580, -90.7330, -13.1410



134.0810, 22.7820, 27.6620



129.2330, 44.5200, -2.8720



118.0970, -29.1550, -27.8030

Rectangle

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



106.8580, -90.7330, -13.1410



131.5520, -18.3890, 19.3950



129.2330, 44.5200, -2.8720



124.9310, 12.4750, -22.3490

Sweetspot

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



106.8580, -90.7330, -13.1410



209.4010, -34.9820, -4.7900



118.4530, -61.3780, -77.1060



101.2840, -21.4110, -2.9390



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

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



106.8580, -90.7330, -13.1410



131.8460, -125.9900, -18.4540



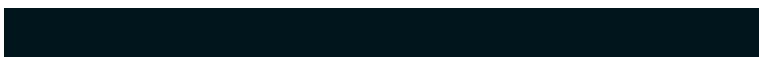
56.9630, -67.3580, 31.3140



87.5480, -4.5390, -0.3390



85.2890, -81.7010, -11.6290



15.5190, -14.7630, -2.2750

Inverse Universe

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



78.3190, 62.0200, 76.4840



92.0520, 85.9020, 106.2380



140.0370, 67.3580, -31.3140



86.3750, 3.4380, 3.7740



59.7540, 56.0610, 68.8370



10.7660, 9.9470, 12.4670

Previews

White Background



This preview shows how the YIQ color 106.8580, -90.7330, -13.1410 looks on a white 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

Black Background



This preview shows how the YIQ color 106.8580, -90.7330, -13.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

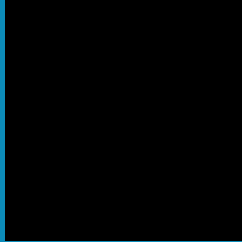
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 106.8580, -90.7330, -13.1410 Background



This preview shows how black text looks on a background with the YIQ color 106.8580, -90.7330, -13.1410.

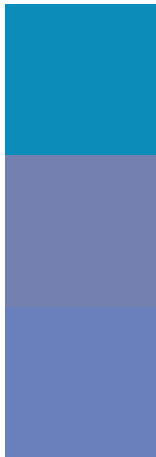


This preview shows how white text looks on a background with the YIQ color 106.8580, -90.7330, -13.1410.

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

106.8580, -90.7330, -13.1410

Protanopia

129.7700, -22.2390, 12.0730

Deuteranopia

128.2620, -32.3720, 13.9960



Tritanopia

102.1980, -89.3550, -27.1070

Trichromacy



Original Color

106.8580, -90.7330, -13.1410

Protanomaly

121.2120, -47.2710, 3.1690

Deuteranomaly

120.3300, -53.4150, 4.3850

Tritanomaly

104.0610, -90.2270, -22.3150

Monochromacy



Original Color

106.8580, -90.7330, -13.1410

Achromatopsia

107.0000, -0.0000, 0.0000

Achromatomaly

106.7710, -33.1480, -4.9880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 106.8580, -90.7330, -13.1410 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(12, 140, 185)` looks like.

```
.text, #text, p{  
    color:rgb(12, 140, 185)  
}
```

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(12, 140, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 140, 185) }
```

Border

The CSS property to change the border of an element to YIQ 106.8580, -90.7330, -13.1410 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(12, 140, 185) }
```


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

```
.border{ border-color:rgb(12, 140, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 140, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 140, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 140, 185);  
box-shadow:4px 4px 4px 4px rgb(12, 140,  
185) }
```

Background

The CSS property to change the background color of an element to YIQ 106.8580, -90.7330, -13.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 140, 185) }
```

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

```
.background{ background-color: rgb(12, 140,  
185) }
```

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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