

Converting Colors

YIQ(108.6860, 118.3800,
13.1960)

Have a look what the booklet for
YIQ(108.6860, 118.3800, 13.1960)
contains.

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Color

**YIQ(108.6860, 118.3800,
13.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	E64400
RGB	230, 68, 0
RGB Percent	90%, 27%, 0%
CMY	0.0977, 0.7336, 0.9995
CMYK	0.00, 0.70, 1.00, 0.10
HSL	18°, 100%, 45%
HSV	18°, 100%, 90%
XYZ	34.7249, 20.9638, 2.2200
YIQ	108.6860, 118.3800, 13.1960

Conversions

Conversions Part 2

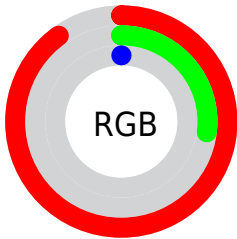
Format	Color
R_{YB}	230, 97, 0
Decimal	15090688
CIE _{Lab}	52.91, 60.42, 64.17
CIE _{LCh}	53, 88.137, 46.727
Yxy	20.9638, 0.5996, 0.3620
Android (android.graphics.Color)	4293280768 (0xFFE64400)
YUV	108.6860, -53.5822, 106.3924
Hunter-Lab	45.7862, 55.2513, 29.1756

Details

The YIQ color **108.6860, 118.3800, 13.1960** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **121.3140, -118.3800, -13.1960**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **156.5740, 98.0240, 7.6560**, and **49.3350, 98.3400, 34.9800** is the 20% darker color. If you saturate the color by 10%, you get **108.6860, 118.3800, 13.1960**, and if you desaturate by 10%, it is **120.7000, 106.5970, 11.9810**.

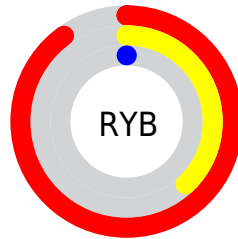
Distribution



Red (90%)

Green (27%)

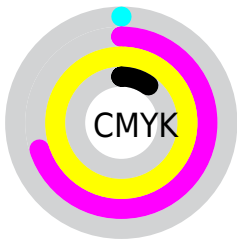
Blue (0%)



Red (90%)

Yellow (38%)

Blue (0%)

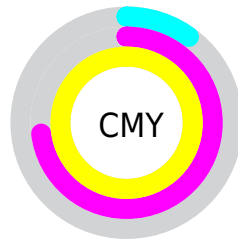


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 108.6860, 118.3800, 13.1960 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 108.6860, 118.3800, 13.1960 by changing the saturation by 10% instead.


 108.6860,
118.3800, 13.1960


 108.6860,
118.3800, 13.1960


254.7720, 0.6420,
-0.6220


 79.4480, 107.7870,
23.4590


 156.5740, 98.0240,
7.6560


 49.3350, 98.3400,
34.9800


 175.9740, 81.9780,
1.0980


 39.7670, 79.2680,
28.1960


 195.9610, 65.6570,
-5.9830

 30.4980, 60.7920,
21.6240

 216.0620, 49.0150,
-12.7530

 21.7560, 42.2700,
15.8860

 236.1630, 32.3730,
-19.5230

 12.6720, 24.7110,
9.2150

 248.1600, 19.2600,

 0.0000, 0.0000,

-18.6600

0.0000

■ 251.4660, 9.9510,
-9.6410

■ 108.6860,
118.3800, 13.1960

■ 120.7000,
106.5970, 11.9810

■ 132.7140, 94.8140,
10.7660

■ 145.3150, 82.7560,
9.0280

■ 157.3290, 70.9730,
7.8130

■ 169.3430, 59.1900,
6.5980

■ 181.3570, 47.4070,
5.3830

■ 193.9580, 35.3490,
3.6450

■ 205.9720, 23.5660,
2.4300

■ 217.9860, 11.7830,
1.2150

Harmonies

Analogous

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



85.9780, 123.1360, 81.2160



108.6860, 118.3800, 13.1960



119.2760, 77.3510, -19.6810

Triad

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



108.6860, 118.3800, 13.1960



101.1310, -71.1940, -53.3860



100.6840, -115.4050, 15.4990

Complementary

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



108.6860, 118.3800, 13.1960



121.3140, -118.3800, -13.1960

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.



114.7720, -122.0050, 2.9470



108.6860, 118.3800, 13.1960



111.3110, -97.1030, -29.8630

Square

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



108.6860, 118.3800, 13.1960



87.4630, -40.9750, -77.9270



118.5900, -118.9770, -7.8810



126.3420, 10.4870, 68.7830

Rectangle

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



108.6860, 118.3800, 13.1960



117.2840, 47.3690, -37.9990



118.5900, -118.9770, -7.8810



106.5540, -118.1550, 10.2690

Sweetspot

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



108.6860, 118.3800, 13.1960



214.6380, 39.2460, 4.6060



87.5800, 84.1150, 100.0750



103.3850, 23.8410, 2.9530



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.



108.6860, 118.3800, 13.1960



120.2700, 131.3550, 14.8350



174.4300, 87.5800, -45.3800



108.9360, 6.0520, 0.4520



84.6320, 92.1090, 10.2290



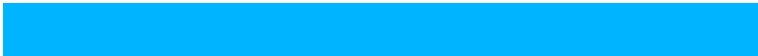
24.0540, 26.2710, 2.9670

Inverse Universe

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



121.3140, -118.3800, -13.1960



134.7300, -131.3550, -14.8350



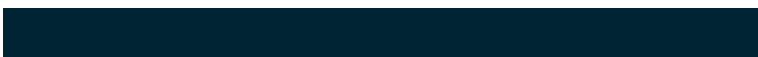
55.5700, -87.5800, 45.3800



109.0640, -6.0520, -0.4520



94.3680, -92.1090, -10.2290



26.9460, -26.2710, -2.9670

Previews

White Background



This preview shows how the YIQ color 108.6860, 118.3800, 13.1960 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 108.6860, 118.3800, 13.1960 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 108.6860, 118.3800, 13.1960

Background



This preview shows how black text looks on a background with the YIQ color 108.6860, 118.3800, 13.1960.



This preview shows how white text looks on a background with the YIQ color 108.6860, 118.3800,

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

108.6860, 118.3800, 13.1960

Protanopia

120.1560, 42.2780, -28.3300

Deuteranopia

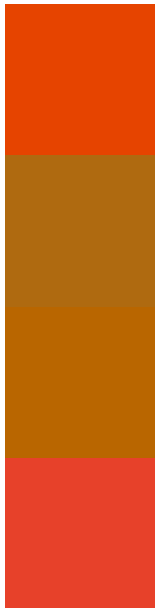
118.8670, 62.0850, -29.3630



Tritanopia

113.5740, 99.1650, 36.5490

Trichromacy



Original Color

108.6860, 118.3800, 13.1960

Protanomaly

116.3710, 70.0140, -13.3620

Deuteranomaly

115.1890, 82.2100, -14.1260

Tritanomaly

112.0120, 106.3190, 28.0390

Monochromacy



Original Color

108.6860, 118.3800, 13.1960

Achromatopsia

109.0000, -0.0000, 0.0000

Achromatomaly

108.7910, 43.1890, 4.7330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 108.6860, 118.3800, 13.1960 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(230, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 68, 0)  
}
```

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(230, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 68, 0) }
```

Border

The CSS property to change the border of an element to YIQ 108.6860, 118.3800, 13.1960 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(230, 68, 0) }
```


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

```
.border{ border-color:rgb(230, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 68, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 108.6860, 118.3800, 13.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 68, 0) }
```

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

```
.background{ background-color: rgb(230, 68,  
0) }
```

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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