

Converting Colors

YIQ(116.4170, 109.0720,
16.6880)

Have a look what the booklet for
YIQ(116.4170, 109.0720, 16.6880)
contains.

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Color

**YIQ(116.4170, 109.0720,
16.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	E74C18
RGB	231, 76, 24
RGB Percent	91%, 30%, 9%
CMY	0.0938, 0.7022, 0.9054
CMYK	0.00, 0.67, 0.90, 0.09
HSL	15°, 81%, 50%
HSV	15°, 90%, 91%
XYZ	35.7288, 22.2295, 3.2784
YIQ	116.4170, 109.0720, 16.6880

Conversions

Conversions Part 2

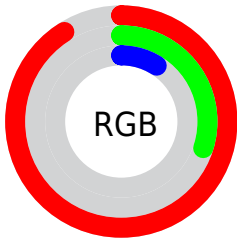
Format	Color
RYB	231, 93, 24
Decimal	15158296
CIELab	54.27, 57.97, 58.93
CIElCh	54, 82.664, 45.475
Yxy	22.2295, 0.5835, 0.3630
Android (android.graphics.Color)	4293348376 (0xFFE74C18)
YUV	116.4170, -45.5616, 100.4893
Hunter-Lab	47.1482, 52.7574, 28.8811

Details

The YIQ color **116.4170, 109.0720, 16.6880** 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 **138.5830, -109.0720, -16.6880**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **162.3930, 91.2840, 8.6600**, and **49.9330, 99.5320, 35.4040** is the 20% darker color. If you saturate the color by 10%, you get **103.8160, 121.1300, 18.4260**, and if you desaturate by 10%, it is **129.0180, 97.0140, 14.9500**.

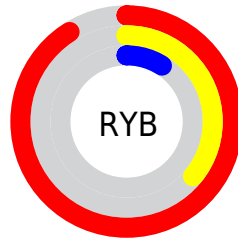
Distribution



Red (91%)

Green (30%)

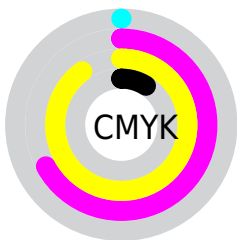
Blue (9%)



Red (91%)

Yellow (36%)

Blue (9%)

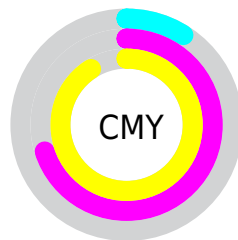


Cyan (0%)

Magenta (67%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (70%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.4170, 109.0720, 16.6880 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 116.4170, 109.0720, 16.6880 by changing the saturation by 10% instead.


 116.4170,
109.0720, 16.6880


 116.4170,
109.0720, 16.6880


255.0000, -0.0000,
-0.0000


 86.5030, 105.9540,
18.1300


 162.3930, 91.2840,
8.6600


 49.9330, 99.5320,
35.4040


 181.6790, 75.5590,
1.7910


 40.3650, 80.4600,
28.6200


 201.6660, 59.2380,
-5.2900

 31.0960, 61.9840,
22.0480

 221.7670, 42.5960,
-12.0600

 22.2400, 43.7830,
15.9990

 241.9820, 25.6330,
-18.5190

 13.5690, 26.4990,
9.8510

 249.8700, 14.4450,

 0.0000, 0.0000,

-13.9950

0.0000

253.0620, 5.4570,
-5.2870

116.4170,
109.0720, 16.6880

116.4170,
109.0720, 16.6880

103.8160,
121.1300, 18.4260

129.0180, 97.0140,
14.9500

103.1150,
121.7260, 18.6380

142.2060, 84.6810,
12.6890

154.8070, 72.6230,
10.9510

167.5220, 60.2440,
9.5240

180.7100, 47.9110,
7.2630

■ 193.3110, 35.8530,
5.5250

■ 205.9120, 23.7950,
3.7870

■ 219.1000, 11.4620,
1.5260

■ 231.7010, -0.5960,
-0.2120

Harmonies

Analogous

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



101.0810, 112.1800, 70.5160



116.4170, 109.0720, 16.6880



122.5320, 79.5060, -20.1900

Triad

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



116.4170, 109.0720, 16.6880



103.1200, -72.6610, -54.3330



103.0320, -116.5050, 13.4070

Complementary

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



116.4170, 109.0720, 16.6880



138.5830, -109.0720, -16.6880

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.



115.9460, -122.5550, 1.9010



116.4170, 109.0720, 16.6880



112.8440, -97.2860, -32.0540

Square

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



116.4170, 109.0720, 16.6880



88.6370, -41.5250, -78.9730



119.0800, -117.6010, -10.7930



131.2010, 6.2700, 62.6060

Rectangle

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



116.4170, 109.0720, 16.6880



120.5510, 50.9910, -37.5610



119.0800, -117.6010, -10.7930



108.3150, -118.9800, 8.7000

Sweetspot

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



116.4170, 109.0720, 16.6880



216.6100, 36.4490, 5.7370



103.5630, 73.6170, 92.0890



105.1290, 21.6860, 3.4620



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.



116.4170, 109.0720, 16.6880



113.8130, 134.3800, 20.5880



176.8780, 80.7470, -37.1810



108.3490, 6.3270, 0.9750



79.9360, 94.3090, 14.4130



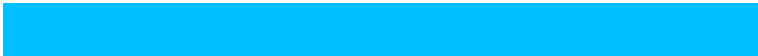
22.8800, 26.8210, 4.0130

Inverse Universe

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



138.5830, -109.0720, -16.6880



141.1870, -134.3800, -20.5880



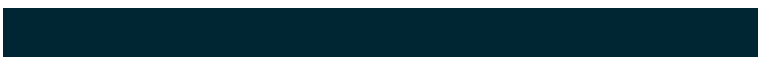
78.1220, -80.7470, 37.1810



109.6510, -6.3270, -0.9750



99.0640, -94.3090, -14.4130



28.1200, -26.8210, -4.0130

Previews

White Background



This preview shows how the YIQ color 116.4170, 109.0720, 16.6880 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 116.4170, 109.0720, 16.6880 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 116.4170, 109.0720, 16.6880

Background



This preview shows how black text looks on a background with the YIQ color 116.4170, 109.0720, 16.6880.



This preview shows how white text looks on a background with the YIQ color 116.4170, 109.0720,

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

116.4170, 109.0720, 16.6880

Protanopia

124.8830, 38.7930, -25.7430

Deuteranopia

122.1230, 64.2400, -29.8720



Tritanopia

119.5950, 94.6720, 35.3760

Trichromacy



Original Color

116.4170, 109.0720, 16.6880

Protanomaly

121.8420, 64.3740, -10.2660

Deuteranomaly

120.3460, 80.3300, -13.0940

Tritanomaly

118.6030, 100.2210, 28.4210

Monochromacy



Original Color

116.4170, 109.0720, 16.6880

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

115.9910, 39.7500, 6.4860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.4170, 109.0720, 16.6880 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(231, 76, 24)` looks like.

```
.text, #text, p{  
    color:rgb(231, 76, 24)  
}
```

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(231, 76, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 76, 24) }
```

Border

The CSS property to change the border of an element to YIQ 116.4170, 109.0720, 16.6880 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(231, 76, 24) }
```


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

```
.border{ border-color:rgb(231, 76, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 76, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 76, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 76, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 76,  
24) }
```

Background

The CSS property to change the background color of an element to YIQ 116.4170, 109.0720, 16.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 76, 24) }
```

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

```
.background{ background-color: rgb(231, 76,  
24) }
```

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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