

Converting Colors

YIQ(116.8700, 121.0380,
20.0940)

Have a look what the booklet for
YIQ(116.8700, 121.0380, 20.0940)
contains.

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Color

**YIQ(116.8700, 121.0380,
20.0940)**

Conversions

Conversions Part 1

Format	Color
Hex	F54711
RGB	245, 71, 17
RGB Percent	96%, 28%, 7%
CMY	0.0388, 0.7218, 0.9328
CMYK	0.00, 0.71, 0.93, 0.04
HSL	14°, 92%, 51%
HSV	14°, 93%, 96%
XYZ	40.0408, 23.9680, 3.0517
YIQ	116.8700, 121.0380, 20.0940

Conversions

Conversions Part 2

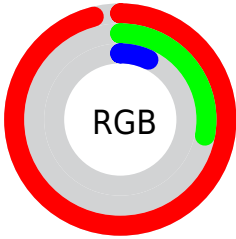
Format	Color
R_{YB}	245, 88, 17
Decimal	16074513
CIE _{Lab}	56.06, 64.24, 63.48
CIE _{LCh}	56, 90.313, 44.662
Yxy	23.9680, 0.5971, 0.3574
Android (android.graphics.Color)	4294264593 (0xFFFF54711)
YUV	116.8700, -49.2359, 112.3700
Hunter-Lab	48.9571, 60.3160, 30.5742

Details

The YIQ color **116.8700, 121.0380, 20.0940** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **145.1300, -121.0380, -20.0940**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **160.0620, 93.7140, 8.6740**, and **53.5210, 106.6840, 37.9480** is the 20% darker color. If you saturate the color by 10%, you get **107.3010, 130.0700, 21.6060**, and if you desaturate by 10%, it is **130.8730, 107.7880, 17.9320**.

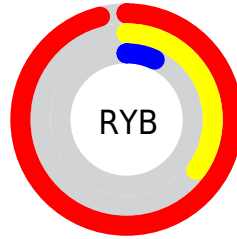
Distribution



Red (96%)

Green (28%)

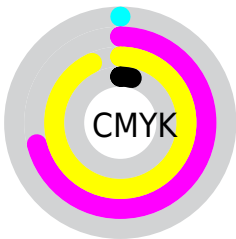
Blue (7%)



Red (96%)

Yellow (35%)

Blue (7%)

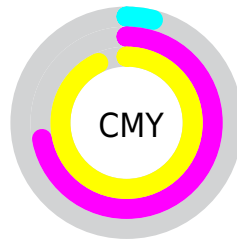


Cyan (0%)

Magenta (71%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (72%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.8700, 121.0380, 20.0940 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 116.8700, 121.0380, 20.0940 by changing the saturation by 10% instead.


 116.8700,
121.0380, 20.0940


 116.8700,
121.0380, 20.0940


255.0000, -0.0000,
-0.0000


 85.1070, 116.1770,
25.5930


 160.0620, 93.7140,
8.6740


 53.5210, 106.6840,
37.9480


 180.0490, 77.3930,
1.5930


 43.9530, 87.6120,
31.1640


 200.0360, 61.0720,
-5.4880

 34.3850, 68.5400,
24.3800

 220.1370, 44.4300,
-12.2580

 25.2300, 49.7430,
18.1190

 240.9390, 27.1920,
-19.2400


 16.6730, 32.1380,
12.2820

 249.4140, 15.7290,


 3.2890, 6.5560,


-15.2390


2.3320

 252.6060, 6.7410,
-6.5310


 0.0000, 0.0000,
0.0000


 116.8700,
121.0380, 20.0940


 116.8700,
121.0380, 20.0940


 107.3010,
130.0700, 21.6060

 130.8730,
107.7880, 17.9320

 144.1750, 95.1340,
15.9820

 158.1780, 81.8840,
13.8200

 172.0670, 68.9550,
11.3470

 186.0700, 55.7050,
9.1850

199.3720, 43.0510,
7.2350

213.3750, 29.8010,
5.0730

227.2640, 16.8720,
2.6000

240.6800, 3.8970,
0.9610

Harmonies

Analogous

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



87.6450, 119.8800, 85.1600



116.8700, 121.0380, 20.0940



126.6960, 84.9160, -19.1160

Triad

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



116.8700, 121.0380, 20.0940



106.5280, -73.9900, -57.7820



106.5540, -118.1550, 10.2690

Complementary

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



116.8700, 121.0380, 20.0940



145.1300, -121.0380, -20.0940

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.



120.0550, -124.4800, -1.7600



116.8700, 121.0380, 20.0940



117.6370, -101.1370, -33.8490

Square

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



116.8700, 121.0380, 20.0940



92.7460, -43.4500, -82.6340



124.7850, -124.0200, -10.1000



135.5200, 4.1140, 68.6420

Rectangle

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



116.8700, 121.0380, 20.0940



125.5790, 53.7880, -38.6920



124.7850, -124.0200, -10.1000



111.8370, -120.6300, 5.5620

Sweetspot

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



116.8700, 121.0380, 20.0940



214.6210, 37.9160, 6.6840



105.1220, 79.7130, 102.7610



103.0260, 23.4740, 4.0980



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.



116.8700, 121.0380, 20.0940



111.4650, 135.4800, 22.6800



183.2010, 89.9630, -39.0050



115.3490, 6.3270, 0.9750



81.4420, 98.7560, 16.4200



25.8590, 31.3140, 5.1860

Inverse Universe

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



145.1300, -121.0380, -20.0940



143.5350, -135.4800, -22.6800



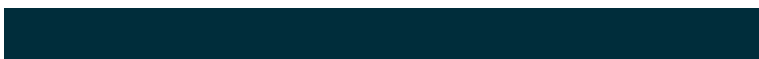
78.7990, -89.9630, 39.0050



117.2380, -6.6020, -1.4980



104.5580, -98.7560, -16.4200



33.1410, -31.3140, -5.1860

Previews

White Background



This preview shows how the YIQ color 116.8700, 121.0380, 20.0940 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 116.8700, 121.0380, 20.0940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

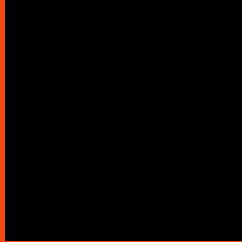
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 116.8700, 121.0380, 20.0940

Background



This preview shows how black text looks on a background with the YIQ color 116.8700, 121.0380, 20.0940.



This preview shows how white text looks on a background with the YIQ color 116.8700, 121.0380,

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

116.8700, 121.0380, 20.0940

Protanopia

128.2700, 41.9570, -28.0190

Deuteranopia

125.9660, 66.1200, -30.9040



Tritanopia

120.1620, 106.3170, 39.0930

Trichromacy



Original Color

116.8700, 121.0380, 20.0940

Protanomaly

124.2510, 70.4720, -10.6480

Deuteranomaly

122.3960, 86.0610, -12.3310

Tritanomaly

119.1700, 111.8660, 32.1380

Monochromacy



Original Color

116.8700, 121.0380, 20.0940

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.9700, 44.2430, 7.6590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.8700, 121.0380, 20.0940 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(245, 71, 17)` looks like.

```
.text, #text, p{  
    color:rgb(245, 71, 17)  
}
```

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(245, 71, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 71, 17) }
```

Border

The CSS property to change the border of an element to YIQ 116.8700, 121.0380, 20.0940 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(245, 71, 17) }
```


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

```
.border{ border-color:rgb(245, 71, 17) }
```

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

Here you see how a box with a 4 pixel rgb(245, 71, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 71, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 71, 17);  
box-shadow:4px 4px 4px 4px rgb(245, 71,  
17) }
```

Background

The CSS property to change the background color of an element to YIQ 116.8700, 121.0380, 20.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 71, 17) }
```

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

```
.background{ background-color: rgb(245, 71,  
17) }
```

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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