

Converting Colors

YIQ(117.3930, 117.6470, 9.9590)

Have a look what the booklet for
YIQ(117.3930, 117.6470, 9.9590)
contains.

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Color

**YIQ(117.3930, 117.6470,
9.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	EC4F04
RGB	236, 79, 4
RGB Percent	93%, 31%, 2%
CMY	0.0742, 0.6904, 0.9838
CMYK	0.00, 0.67, 0.98, 0.07
HSL	19°, 97%, 47%
HSV	19°, 98%, 93%
XYZ	37.4336, 23.4386, 2.6698
YIQ	117.3930, 117.6470, 9.9590

Conversions

Conversions Part 2

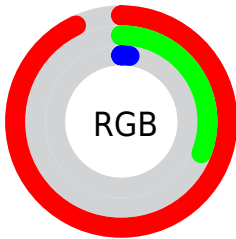
Format	Color
R _Y B	236, 115, 4
Decimal	15486724
CIE Lab	55.52, 58.22, 65.21
CIE LCh	56, 87.418, 48.240
Yxy	23.4386, 0.5891, 0.3689
Android (android.graphics.Color)	4293676804 (0xFFEC4F04)
YUV	117.3930, -55.9027, 104.0183
Hunter-Lab	48.4134, 53.2939, 30.6198

Details

The YIQ color **117.3930, 117.6470, 9.9590** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **122.6070, -117.6470, -9.9590**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **162.9000, 93.9900, 3.6700**, and **55.2380, 99.9910, 32.5910** is the 20% darker color. If you saturate the color by 10%, you get **115.1760, 119.7560, 10.2840**, and if you desaturate by 10%, it is **129.5210, 105.5430, 9.0550**.

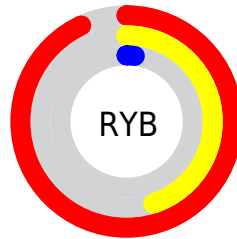
Distribution



Red (93%)

Green (31%)

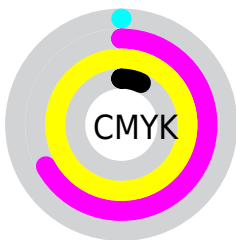
Blue (2%)



Red (93%)

Yellow (45%)

Blue (2%)

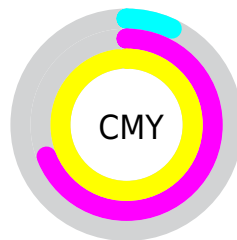


Cyan (0%)

Magenta (67%)

Yellow (98%)

Black (7%)



Cyan (7%)


Magenta (69%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.3930, 117.6470, 9.9590 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 117.3930, 117.6470, 9.9590 by changing the saturation by 10% instead.


 117.3930,
117.6470, 9.9590


 117.3930,
117.6470, 9.9590


255.0000, -0.0000,
-0.0000


 89.4600, 107.5130,
17.4090


 162.9000, 93.9900,
3.6700


 55.2380, 99.9910,
32.5910


 182.3000, 77.9440,
-2.8880


 41.5610, 82.8440,
29.4680


 202.4010, 61.3020,
-9.6580

 32.2920, 64.3680,
22.8960

 222.5020, 44.6600,
-16.4280

 23.4360, 46.1670,
16.8470

 242.6030, 28.0180,
-23.1980

 14.8790, 28.5620,
11.0100

 248.7300, 17.6550,

 0.0000, 0.0000,

-17.1050

0.0000

252.0360, 8.3460,
-8.0860

117.3930,
117.6470, 9.9590

117.3930,
117.6470, 9.9590

115.1760,
119.7560, 10.2840

129.5210,
105.5430, 9.0550

141.5350, 93.7600,
7.8400

153.6630, 81.6560,
6.9360

165.7910, 69.5520,
6.0320

177.8050, 57.7690,
4.8170

■ 189.9330, 45.6650,
3.9130

■ 201.9470, 33.8820,
2.6980

■ 214.0750, 21.7780,
1.7940

■ 226.2030, 9.6740,
0.8900

Harmonies

Analogous

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



93.0760, 119.7440, 76.6080



117.3930, 117.6470, 9.9590



125.4670, 78.1310, -22.8050

Triad

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



117.3930, 117.6470, 9.9590



106.9670, -76.6040, -54.4600



103.6190, -116.7800, 12.8840

Complementary

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



117.3930, 117.6470, 9.9590



122.6070, -117.6470, -9.9590

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.



117.7070, -123.3800, 0.3320



117.3930, 117.6470, 9.9590



117.2610, -102.8340, -30.6260

Square

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



117.3930, 117.6470, 9.9590



92.1590, -43.1750, -82.1110



123.1380, -123.5160, -8.2200



133.0220, 14.3840, 69.7440

Rectangle

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



117.3930, 117.6470, 9.9590



123.1760, 47.5530, -41.3350



123.1380, -123.5160, -8.2200



109.4890, -119.5300, 7.6540

Sweetspot

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



117.3930, 117.6470, 9.9590



217.2140, 37.5040, 3.1360



91.4940, 87.2330, 98.6330



104.6730, 22.9700, 2.2180



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.



117.3930, 117.6470, 9.9590



124.3790, 129.4300, 11.1740



184.8980, 86.0220, -50.1860



111.0500, 5.7310, 0.7630



88.1650, 91.9260, 8.0380



26.1250, 27.5090, 2.5570

Inverse Universe

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



122.6070, -117.6470, -9.9590



130.6210, -129.4300, -11.1740



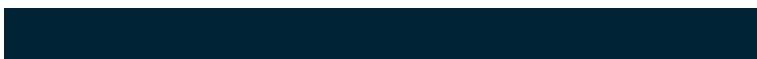
55.6890, -86.2970, 49.6630



111.9500, -5.7310, -0.7630



92.8350, -91.9260, -8.0380



27.2880, -27.2340, -2.0340

Previews

White Background



This preview shows how the YIQ color 117.3930, 117.6470, 9.9590 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 117.3930, 117.6470, 9.9590 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 117.3930, 117.6470, 9.9590

Background



This preview shows how black text looks on a background with the YIQ color 117.3930, 117.6470, 9.9590.



This preview shows how white text looks on a background with the YIQ color 117.3930, 117.6470,

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

117.3930, 117.6470, 9.9590

Protanopia

126.3580, 44.5250, -30.5070

Deuteranopia

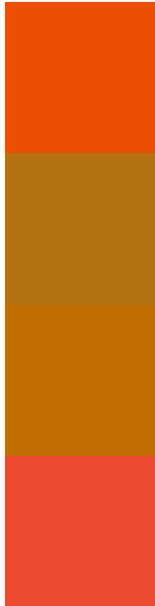
124.7810, 65.2030, -30.8050



Tritanopia

123.3780, 96.7810, 35.7010

Trichromacy



Original Color

117.3930, 117.6470, 9.9590

Protanomaly

122.9750, 71.0690, -15.9630

Deuteranomaly

122.5050, 84.1360, -15.9920

Tritanomaly

121.2890, 103.9810, 26.3570

Monochromacy



Original Color

117.3930, 117.6470, 9.9590

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

116.9650, 42.6390, 3.6870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.3930, 117.6470, 9.9590 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(236, 79, 4)` looks like.

```
.text, #text, p{  
    color:rgb(236, 79, 4)  
}
```

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(236, 79, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 79, 4) }
```

Border

The CSS property to change the border of an element to YIQ 117.3930, 117.6470, 9.9590 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(236, 79, 4) }
```


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

```
.border{ border-color:rgb(236, 79, 4) }
```

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

Here you see how a box with a 4 pixel rgb(236, 79, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 79, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 79, 4);  
box-shadow:4px 4px 4px 4px rgb(236, 79, 4)  
}
```

Background

The CSS property to change the background color of an element to YIQ 117.3930, 117.6470, 9.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 79, 4) }
```

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

```
.background{ background-color: rgb(236, 79,  
4) }
```

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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