

Converting Colors

YIQ(117.2250, 118.0600, 7.9800)

Have a look what the booklet for
YIQ(117.2250, 118.0600, 7.9800)
contains.

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Color

**YIQ(117.2250, 118.0600,
7.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5000
RGB	235, 80, 0
RGB Percent	92%, 31%, 0%
CMY	0.0781, 0.6865, 0.9995
CMYK	0.00, 0.66, 1.00, 0.08
HSL	20°, 100%, 46%
HSV	20°, 100%, 92%
XYZ	37.1524, 23.4041, 2.5632
YIQ	117.2250, 118.0600, 7.9800

Conversions

Conversions Part 2

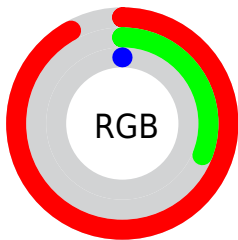
Format	Color
RYB	235, 121, 0
Decimal	15421440
CIELab	55.49, 57.45, 65.93
CIELCh	55, 87.453, 48.931
Yxy	23.4041, 0.5886, 0.3708
Android (android.graphics.Color)	4293611520 (0xFFEB5000)
YUV	117.2250, -57.7919, 103.2887
Hunter-Lab	48.3778, 52.4208, 30.7231

Details

The YIQ color **117.2250, 118.0600, 7.9800** 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 **117.7750, -118.0600, -7.9800**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **163.2590, 94.3570, 2.5250**, and **57.2870, 98.2950, 30.2870** is the 20% darker color. If you saturate the color by 10%, you get **117.2250, 118.0600, 7.9800**, and if you desaturate by 10%, it is **128.7660, 106.2310, 7.5990**.

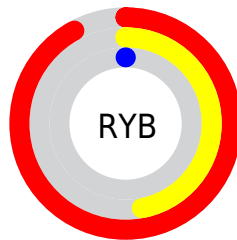
Distribution



Red (92%)

Green (31%)

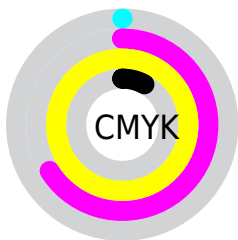
Blue (0%)



Red (92%)

Yellow (47%)

Blue (0%)

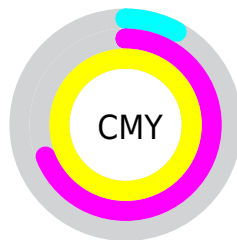


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 117.2250, 118.0600, 7.9800 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 117.2250, 118.0600, 7.9800 by changing the saturation by 10% instead.


 117.2250,
118.0600, 7.9800

 117.2250,
118.0600, 7.9800


255.0000, -0.0000,
-0.0000


 90.3350, 106.3670,
16.1510


 163.2590, 94.3570,
2.5250


 57.2870, 98.2950,
30.2870


 182.7730, 77.9900,
-3.7220


 41.2620, 82.2480,
29.2560


 202.1730, 61.9440,
-10.2800

 31.9930, 63.7720,
22.6840

 222.2740, 45.3020,
-17.0500

 23.1370, 45.5710,
16.6350

 242.9620, 28.3850,
-24.3430

 14.8790, 28.5620,
11.0100

 248.5020, 18.2970,

 0.0000, 0.0000,

-17.7270

0.0000

251.8080, 8.9880,
-8.7080

117.2250,
118.0600, 7.9800

128.7660,
106.2310, 7.5990

140.7800, 94.4480,
6.3840

152.9080, 82.3440,
5.4800

164.3350, 70.8360,
4.7880

176.4630, 58.7320,
3.8840

■ 187.8900, 47.2240,
3.1920

■ 200.0180, 35.1200,
2.2880

■ 211.4450, 23.6120,
1.5960

■ 223.5730, 11.5080,
0.6920

Harmonies

Analogous

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



94.0220, 119.8360, 74.9400



117.2250, 118.0600, 7.9800



125.4560, 76.6640, -23.7520

Triad

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



117.2250, 118.0600, 7.9800



107.1950, -77.2460, -53.8380



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.



117.2250, 118.0600, 7.9800



117.7750, -118.0600, -7.9800

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



117.2250, 118.0600, 7.9800



117.3750, -103.1550, -30.3150

Square

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



117.2250, 118.0600, 7.9800



92.1590, -43.1750, -82.1110



123.2520, -123.8370, -7.9090



132.8050, 16.4930, 70.0690

Rectangle

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



117.2250, 118.0600, 7.9800



122.5780, 46.3610, -41.7590



123.2520, -123.8370, -7.9090



108.9020, -119.2550, 8.1770

Sweetspot

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



117.2250, 118.0600, 7.9800



216.3990, 38.4210, 3.0370



88.1630, 89.6630, 98.6470



104.5590, 23.2910, 1.9070



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.



117.2250, 118.0600, 7.9800



127.3140, 128.0550, 8.5590



185.3170, 86.1600, -52.6880



111.6370, 5.4560, 0.2400



89.9260, 91.1010, 6.4690



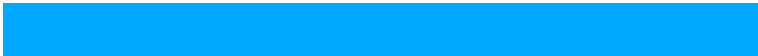
26.7120, 27.2340, 2.0340

Inverse Universe

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



117.7750, -118.0600, -7.9800



127.6860, -128.0550, -8.5590



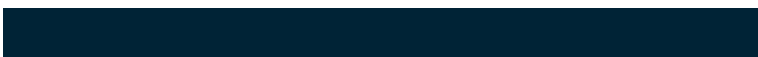
49.6830, -86.1600, 52.6880



111.3630, -5.4560, -0.2400



91.0740, -91.1010, -6.4690



26.7010, -26.9590, -1.5110

Previews

White Background



This preview shows how the YIQ color 117.2250, 118.0600, 7.9800 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 117.2250, 118.0600, 7.9800 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 117.2250, 118.0600, 7.9800

Background



This preview shows how black text looks on a background with the YIQ color 117.2250, 118.0600, 7.9800.



This preview shows how white text looks on a background with the YIQ color 117.2250, 118.0600,

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

117.2250, 118.0600, 7.9800

Protanopia

126.3580, 44.5250, -30.5070

Deuteranopia

124.7810, 65.2030, -30.8050



Tritanopia

123.1930, 95.8640, 35.8000

Trichromacy



Original Color

117.2250, 118.0600, 7.9800

Protanomaly

122.8610, 71.3900, -16.2740

Deuteranomaly

121.9780, 84.1820, -16.8260

Tritanomaly

120.8760, 103.7060, 25.8340

Monochromacy



Original Color

117.2250, 118.0600, 7.9800

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

117.4380, 42.6850, 2.8530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.2250, 118.0600, 7.9800 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(235, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 80, 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(235, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 80, 0) }
```

Border

The CSS property to change the border of an element to YIQ 117.2250, 118.0600, 7.9800 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(235, 80, 0) }
```


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

```
.border{ border-color:rgb(235, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 117.2250, 118.0600, 7.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 80, 0) }
```

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

```
.background{ background-color: rgb(235, 80,  
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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