

# Converting Colors

YIQ(128.0400, 117.1430, 8.0790)

Have a look what the booklet for  
YIQ(128.0400, 117.1430, 8.0790)  
contains.

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# Color

**YIQ(128.0400, 117.1430,  
8.0790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F55B0C
RGB	245, 91, 12
RGB Percent	96%, 36%, 5%
CMY	0.0389, 0.6434, 0.9524
CMYK	0.00, 0.63, 0.95, 0.04
HSL	20°, 92%, 50%
HSV	20°, 95%, 96%
XYZ	41.4871, 26.9250, 3.3626
YIQ	128.0400, 117.1430, 8.0790

# Conversions

## Conversions Part 2

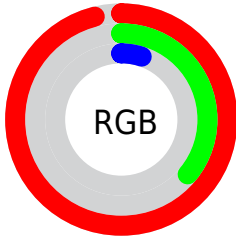
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">245, 132, 12</a>
Decimal	<a href="#">16079628</a>
CIELab	<a href="#">58.90, 56.42, 66.40</a>
CIElCh	<a href="#">59, 87.129, 49.647</a>
Yxy	<a href="#">26.9250, 0.5780, 0.3751</a>
Android (android.graphics.Color)	<a href="#">4294269708 (0xFFFF55B0C)</a>
YUV	<a href="#">128.0400, -57.2077, 102.5739</a>
Hunter-Lab	<a href="#">51.8893, 51.9102, 32.4803</a>

# Details

The YIQ color **128.0400, 117.1430, 8.0790** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **128.9600, -117.1430, -8.0790**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.0410, 89.0390, -0.2170**, and **72.0170, 98.7550, 21.9470** is the 20% darker color. If you saturate the color by 10%, you get **121.9760, 123.1950, 8.5310**, and if you desaturate by 10%, it is **140.2820, 104.7180, 7.4860**.

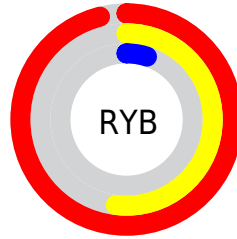
# Distribution



Red (96%)

Green (36%)

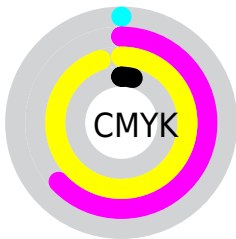
Blue (5%)



Red (96%)

Yellow (52%)

Blue (5%)

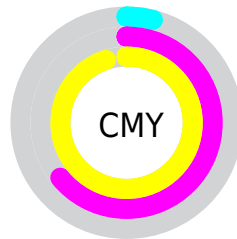


Cyan (0%)

Magenta (63%)

Yellow (95%)

Black (4%)



Cyan (4%)

Magenta (64%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.0400, 117.1430, 8.0790 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 128.0400, 117.1430, 8.0790 by changing the saturation by 10% instead.





 128.0400,  
117.1430, 8.0790


 128.0400,  
117.1430, 8.0790


255.0000, -0.0000,  
-0.0000

 100.3690,  
109.0270, 11.9950


 170.0410, 89.0390,  
-0.2170


 72.0170, 98.7550,  
21.9470


 190.0280, 72.7180,  
-7.2980


 44.2520, 88.2080,  
31.3760


 209.5420, 56.3510,  
-13.5450

 34.6840, 69.1360,  
24.5920

 229.6430, 39.7090,  
-20.3150

 25.7140, 51.2560,  
18.2320

 246.3360, 24.3960,  
-23.6360


 17.8690, 34.5220,  
13.1300

 249.5280, 15.4080,

 5.9800, 11.9200,

-14.9280


4.2400


 252.8340, 6.0990,  
-5.9090


 0.0000, 0.0000,  
0.0000


 128.0400,  
117.1430, 8.0790


 128.0400,  
117.1430, 8.0790


 121.9760,  
123.1950, 8.5310

 140.2820,  
104.7180, 7.4860

 152.4100, 92.6140,  
6.5820

 165.2390, 79.9140,  
5.4660

 177.3670, 67.8100,  
4.5620

 189.6090, 55.3850,  
3.9690

■ 201.7370, 43.2810,  
3.0650

■ 213.9790, 30.8560,  
2.4720

■ 226.6940, 18.4770,  
1.0450

■ 238.9360, 6.0520,  
0.4520

# Harmonies

## Analogous

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



110.6690, 110.1640, 62.9960



128.0400, 117.1430, 8.0790



133.7290, 80.1490, -26.3390

# Triad

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



128.0400, 117.1430, 8.0790



113.7320, -83.2520, -55.1240



120.2860, -93.6730, 18.1270

# Complementary

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



128.0400, 117.1430, 8.0790



128.9600, -117.1430, -8.0790

# 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.



122.4030, -125.5800, -3.8520



128.0400, 117.1430, 8.0790



123.9120, -109.1610, -31.6010

# Square

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



128.0400, 117.1430, 8.0790



99.8360, -52.3910, -80.2870



129.4470, -128.8800, -10.1280



142.5880, 18.6020, 70.3940



# Rectangle

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



128.0400, 117.1430, 8.0790



130.8400, 48.3790, -45.2930



129.4470, -128.8800, -10.1280



113.5980, -121.4550, 3.9930

# Sweetspot

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



128.0400, 117.1430, 8.0790



217.8010, 37.2290, 2.6130



99.3370, 89.1130, 97.6010



105.2600, 22.6950, 1.6950



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.



128.0400, 117.1430, 8.0790



126.7270, 128.3300, 9.0820



195.5450, 85.5180, -52.0660



115.9360, 6.0520, 0.4520



92.5950, 93.5310, 6.4830



29.3810, 29.6640, 2.0480

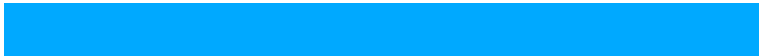


# Inverse Universe

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



128.9600, -117.1430, -8.0790



128.2730, -128.3300, -9.0820



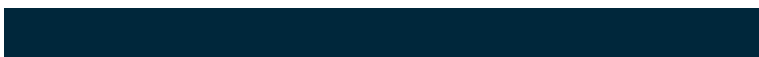
61.4550, -85.5180, 52.0660



116.0640, -6.0520, -0.4520



93.4050, -93.5310, -6.4830



29.6190, -29.6640, -2.0480



# Previews

## White Background



This preview shows how the YIQ color 128.0400, 117.1430, 8.0790 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 128.0400, 117.1430, 8.0790 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 128.0400, 117.1430, 8.0790

## Background



This preview shows how black text looks on a background with the YIQ color 128.0400, 117.1430, 8.0790.



This preview shows how white text looks on a background with the YIQ color 128.0400, 117.1430,



# 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

128.0400, 117.1430, 8.0790

### Protanopia

134.9730, 47.0470, -32.1610

### Deuteranopia

132.7660, 69.5590, -32.6570



## Tritanopia

134.0080, 94.9470, 35.8990

# Trichromacy



## Original Color

128.0400, 117.1430, 8.0790

## Protanomaly

132.4050, 72.6740, -17.5180

## Deuteranomaly

131.0060, 86.9790, -17.9570

## Tritanomaly

131.6910, 102.7890, 25.9330

# Monochromacy



## Original Color

128.0400, 117.1430, 8.0790

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

128.4380, 42.6850, 2.8530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.0400, 117.1430, 8.0790 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, 91, 12)` looks like.

```
.text, #text, p{  
    color:rgb(245, 91, 12)  
}
```

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, 91, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 91, 12) }
```

## Border

The CSS property to change the border of an element to YIQ 128.0400, 117.1430, 8.0790 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, 91, 12) }
```



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

```
.border{ border-color:rgb(245, 91, 12) }
```

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

Here you see how a box with a 4 pixel rgb(245, 91, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 91, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 91, 12);  
box-shadow:4px 4px 4px 4px rgb(245, 91,  
12) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.0400, 117.1430, 8.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 91, 12) }
```

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

```
.background{ background-color: rgb(245, 91,  
12) }
```

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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