

# Converting Colors

YIQ(114.8050, 128.8310,  
27.5430)

Have a look what the booklet for  
YIQ(114.8050, 128.8310, 27.5430)  
contains.

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# Color

**YIQ(114.8050, 128.8310,  
27.5430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3E13
RGB	255, 62, 19
RGB Percent	100%, 24%, 7%
CMY	0.0000, 0.7571, 0.9249
CMYK	0.00, 0.76, 0.92, 0.00
HSL	11°, 100%, 54%
HSV	11°, 92%, 100%
XYZ	43.0769, 24.7439, 3.1280
YIQ	114.8050, 128.8310, 27.5430

# Conversions

## Conversions Part 2

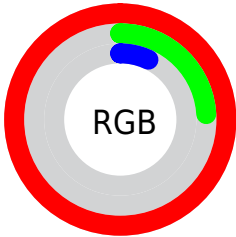
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 72, 19
Decimal	16727571
CIELab	56.83, 70.16, 64.31
CIELCh	57, 95.176, 42.506
Yxy	24.7439, 0.6072, 0.3488
Android (android.graphics.Color)	4294917651 (0xFFFF3E13)
YUV	114.8050, -47.2319, 122.9510
Hunter-Lab	49.7433, 67.5277, 31.0920

# Details

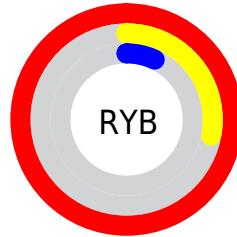
The YIQ color **114.8050, 128.8310, 27.5430** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **159.1950, -128.8310, -27.5430**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.2410, 94.7680, 11.6000**, and **56.5110, 112.6440, 40.0680** is the 20% darker color. If you saturate the color by 10%, you get **103.2470, 139.3300, 30.0020**, and if you desaturate by 10%, it is **130.0960, 114.7100, 24.6460**.

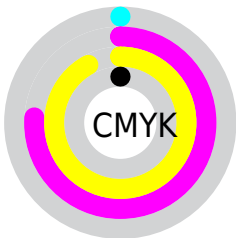
# Distribution



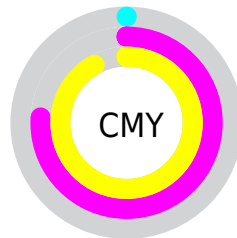
- Red (100%)
- Green (24%)
- Blue (7%)



- Red (100%)
- Yellow (28%)
- Blue (7%)



- Cyan (0%)
- Magenta (76%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (76%)
- Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.8050, 128.8310, 27.5430 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 114.8050, 128.8310, 27.5430 by changing the saturation by 10% instead.





 114.8050,  
128.8310, 27.5430


 114.8050,  
128.8310, 27.5430


255.0000, -0.0000,  
-0.0000


 77.2320, 126.4910,  
36.9150


 157.3550, 94.4470,  
11.9110


 56.5110, 112.6440,  
40.0680


 177.2280, 78.4470,  
4.5190

 46.3450, 92.3800,  
32.8600


 197.2150, 62.1260,  
-2.5620

 36.7770, 73.3080,  
26.0760

 217.9030, 45.2090,  
-9.8550

 27.7360, 54.1900,  
20.1260

 238.7050, 27.9710,  
-16.8370


 18.8800, 35.9890,  
14.0770


 249.5280, 15.4080,


 7.8880, 15.1750,


-14.9280

5.8230

 252.7200, 6.4200,  
-6.2200


 0.0000, 0.0000,  
0.0000

 114.8050,  
128.8310, 27.5430


 114.8050,  
128.8310, 27.5430

 103.2470,  
139.3300, 30.0020

 130.0960,  
114.7100, 24.6460

 145.2730,  
100.9100, 21.4380

 160.5640, 86.7890,  
18.5410

 175.1540, 73.2640,  
15.8560

 190.4450, 59.1430,  
12.9590

205.6220, 45.3430,  
9.7510

220.9130, 31.2220,  
6.8540

236.0900, 17.4220,  
3.6460

251.3810, 3.3010,  
0.7490

# Harmonies

## Analogous

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



88.3290, 117.9540, 87.0260



114.8050, 128.8310, 27.5430



128.2130, 90.8300, -16.1620

# Triad

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



114.8050, 128.8310, 27.5430



107.3770, -72.2470, -61.8390



108.9020, -119.2550, 8.1770

# Complementary

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



114.8050, 128.8310, 27.5430



159.1950, -128.8310, -27.5430

# 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.



122.9900, -125.8550, -4.3750



114.8050, 128.8310, 27.5430



119.1700, -101.3200, -36.0400

# Square

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



114.8050, 128.8310, 27.5430



93.9200, -44.0000, -83.6800



127.4750, -126.0830, -11.2590



136.2960, -1.0670, 68.9250



# Rectangle

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



114.8050, 128.8310, 27.5430



127.6720, 57.9600, -37.2080



127.4750, -126.0830, -11.2590



114.7720, -122.0050, 2.9470

# Sweetspot

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



114.8050, 128.8310, 27.5430



212.8600, 38.7410, 8.2530



112.0220, 77.4190, 111.2990



101.8520, 24.0240, 5.1440



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.



114.8050, 128.8310, 27.5430



103.2470, 139.3300, 30.0020



181.7230, 97.4810, -32.0790



120.0610, 7.1980, 1.7100



77.6540, 104.2110, 22.1870



26.1800, 34.8440, 7.2920



# Inverse Universe

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



159.1950, -128.8310, -27.5430



151.7530, -139.3300, -30.0020



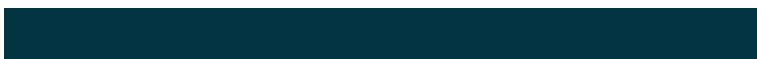
92.2770, -97.4810, 32.0790



122.3520, -6.9230, -1.1870



113.9330, -104.4860, -22.7100



37.8200, -34.8440, -7.2920



# Previews

## White Background



This preview shows how the YIQ color 114.8050, 128.8310, 27.5430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

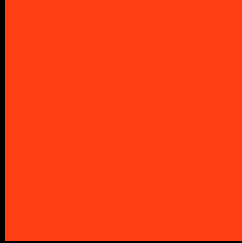
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 114.8050, 128.8310, 27.5430 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 114.8050, 128.8310, 27.5430

## Background



This preview shows how black text looks on a background with the YIQ color 114.8050, 128.8310, 27.5430.



This preview shows how white text looks on a background with the YIQ color 114.8050, 128.8310,



# 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

114.8050, 128.8310, 27.5430

### Protanopia

130.4980, 41.3150, -27.3970

### Deuteranopia

127.7380, 66.7620, -31.5260



## Tritanopia

117.7180, 116.4950, 41.8630

# Trichromacy



## Original Color

114.8050, 128.8310, 27.5430

## Protanomaly

124.9140, 73.0390, -7.6090

## Deuteranomaly

122.8310, 89.2700, -9.9140

## Tritanomaly

116.5950, 121.0350, 36.6750

# Monochromacy



## Original Color

114.8050, 128.8310, 27.5430

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

115.1060, 46.8560, 9.8640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.8050, 128.8310, 27.5430 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(255, 62, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 19)  
}
```

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(255, 62, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 19) }
```

## Border

The CSS property to change the border of an element to YIQ 114.8050, 128.8310, 27.5430 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(255, 62, 19) }
```



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

```
.border{ border-color:rgb(255, 62, 19) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
19) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.8050, 128.8310, 27.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 19) }
```

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

```
.background{ background-color: rgb(255, 62,  
19) }
```

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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