

# Converting Colors

YIQ(130.0500, 120.3510,  
16.0230)

Have a look what the booklet for  
YIQ(130.0500, 120.3510, 16.0230)  
contains.

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# Color

**YIQ(130.0500, 120.3510,  
16.0230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5718
RGB	255, 87, 24
RGB Percent	100%, 34%, 9%
CMY	0.0000, 0.6591, 0.9053
CMYK	0.00, 0.66, 0.91, 0.00
HSL	16°, 100%, 55%
HSV	16°, 91%, 100%
XYZ	44.8087, 28.1314, 3.9397
YIQ	130.0500, 120.3510, 16.0230

# Conversions

## Conversions Part 2

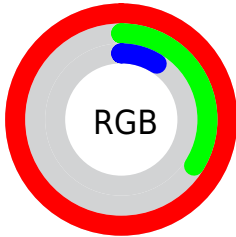
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 111, 24
Decimal	16733976
CIE <sub>Lab</sub>	60.01, 61.53, 64.90
CIE <sub>LCh</sub>	60, 89.427, 46.527
Yxy	28.1314, 0.5828, 0.3659
Android (android.graphics.Color)	4294924056 (0xFFFF5718)
YUV	130.0500, -52.2826, 109.5812
Hunter-Lab	53.0391, 57.9829, 32.7233

# Details

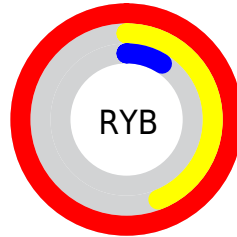
The YIQ color **130.0500, 120.3510, 16.0230** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **148.9500, -120.3510, -16.0230**, and the grayscale version is **130.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **169.6650, 87.3420, 3.0060**, and **67.6640, 107.4190, 30.1310** is the 20% darker color. If you saturate the color by 10%, you get **116.7480, 133.0050, 17.9730**, and if you desaturate by 10%, it is **144.1670, 106.7800, 14.1720**.

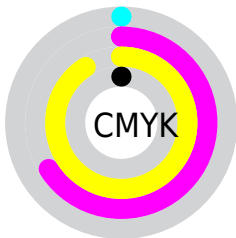
# Distribution



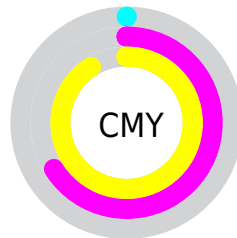
- Red (100%)
- Green (34%)
- Blue (9%)



- Red (100%)
- Yellow (44%)
- Blue (9%)



- Cyan (0%)
- Magenta (66%)
- Yellow (91%)
- Black (0%)




- Cyan (0%)
- Magenta (66%)
- Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 130.0500, 120.3510, 16.0230 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 130.0500, 120.3510, 16.0230 by changing the saturation by 10% instead.




 130.0500,  
120.3510, 16.0230


 130.0500,  
120.3510, 16.0230


255.0000, -0.0000,  
-0.0000


 99.8370, 116.6370,  
17.2530


 169.6650, 87.3420,  
3.0060

 67.6640, 107.4190,  
30.1310


 189.0650, 71.2960,  
-3.5520


 46.9430, 93.5720,  
33.2840


 209.1660, 54.6540,  
-10.3220

 37.3750, 74.5000,  
26.5000

 229.8540, 37.7370,  
-17.6150

 28.1060, 56.0240,  
19.9280

 247.1340, 22.1490,  
-21.4590


 20.0760, 38.3730,  
14.9250


 250.3260, 13.1610,


 9.6820, 18.7510,


-12.7510


7.0950


 253.6320, 3.8520,  
-3.7320


 0.0000, 0.0000,  
0.0000

 130.0500,  
120.3510, 16.0230


 130.0500,  
120.3510, 16.0230


 116.7480,  
133.0050, 17.9730

 144.1670,  
106.7800, 14.1720

 157.5830, 93.8050,  
12.5330

 171.7000, 80.2340,  
10.6820

 185.1160, 67.2590,  
9.0430

 199.2330, 53.6880,  
7.1920

212.6490, 40.7130,  
5.5530

226.7660, 27.1420,  
3.7020

240.1820, 14.1670,  
2.0630

254.2990, 0.5960,  
0.2120

# Harmonies

## Analogous

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



106.4120, 109.7500, 70.5020



130.0500, 120.3510, 16.0230



136.1320, 86.3840, -23.6960

# Triad

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



130.0500, 120.3510, 16.0230



115.2820, -82.1050, -59.3930



111.2500, -120.3550, 6.0850

# Complementary

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



130.0500, 120.3510, 16.0230



148.9500, -120.3510, -16.0230

# 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.



125.3380, -126.9550, -6.4670



130.0500, 120.3510, 16.0230



125.8040, -108.9770, -34.9370

# Square

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



130.0500, 120.3510, 16.0230



99.2030, -46.4750, -88.3870



131.7950, -129.9800, -12.2200



146.0970, 9.7990, 70.2390



# Rectangle

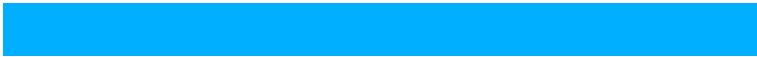
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



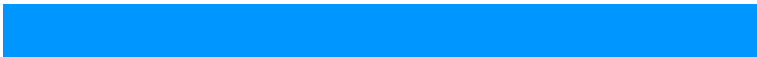
130.0500, 120.3510, 16.0230



134.1290, 54.9350, -42.9610



131.7950, -129.9800, -12.2200



117.1200, -123.1050, 0.8550

# Sweetspot

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



130.0500, 120.3510, 16.0230



217.7840, 35.8990, 4.6910



112.3350, 83.4270, 101.5310



105.7160, 21.4110, 2.9390



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.



130.0500, 120.3510, 16.0230



116.7480, 133.0050, 17.9730



196.9680, 89.0010, -43.5990



120.6480, 6.9230, 1.1870



87.6330, 99.5360, 13.2960



29.1150, 33.4690, 4.6770



# Inverse Universe

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



148.9500, -120.3510, -16.0230



138.2520, -133.0050, -17.9730



82.0320, -89.0010, 43.5990



121.7650, -6.6480, -0.6640



103.3670, -99.5360, -13.2960



34.2980, -33.1940, -4.1540



# Previews

## White Background



This preview shows how the YIQ color 130.0500, 120.3510, 16.0230 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 130.0500, 120.3510, 16.0230 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 130.0500, 120.3510, 16.0230

## Background



This preview shows how black text looks on a background with the YIQ color 130.0500, 120.3510, 16.0230.



This preview shows how white text looks on a background with the YIQ color 130.0500, 120.3510,



# 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

130.0500, 120.3510, 16.0230

### Protanopia

138.2980, 44.7540, -29.1500

### Deuteranopia

135.7230, 71.1180, -33.3780



**Tritanopia**

134.8840, 101.2280, 37.7080

# Trichromacy



## Original Color

130.0500, 120.3510, 16.0230

## Protanomaly

135.2680, 71.8020, -12.7260

## Deuteranomaly

133.3700, 88.9500, -15.1300

## Tritanomaly

132.8490, 108.3360, 30.0320

# Monochromacy



## Original Color

130.0500, 120.3510, 16.0230

## Achromatopsia

130.0000, -0.0000, -0.0000

## Achromatomaly

129.7310, 43.4180, 6.0900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 130.0500, 120.3510, 16.0230 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, 87, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 24)  
}
```

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, 87, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 24) }
```

## Border

The CSS property to change the border of an element to YIQ 130.0500, 120.3510, 16.0230 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, 87, 24) }
```



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

```
.border{ border-color:rgb(255, 87, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
24) }
```

# Background

The CSS property to change the background color of an element to YIQ 130.0500, 120.3510, 16.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 24) }
```

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

```
.background{ background-color: rgb(255, 87,  
24) }
```

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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