

Converting Colors

XYZ(46.2932, 34.0694, 10.6816)

Have a look what the booklet for
XYZ(46.2932, 34.0694, 10.6816)
contains.

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Color

**XYZ(46.2016, 34.0063,
10.6073)**

Conversions

Conversions Part 1

Format	Color
Hex	F67A4A
RGB	246, 122, 74
RGB Percent	96%, 48%, 29%
CMY	0.0353, 0.5215, 0.7098
CMYK	0.00, 0.50, 0.70, 0.04
HSL	17°, 91%, 63%
HSV	17°, 70%, 96%
XYZ	46.2016, 34.0063, 10.6073
YIQ	153.6040, 89.3120, 11.3600

Conversions

Conversions Part 2

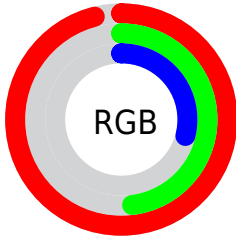
Format	Color
R _Y B	246, 141, 74
Decimal	16153162
CIE Lab	64.97, 44.14, 47.57
CIE LCh	65, 64.895, 47.145
Yxy	34.0063, 0.5087, 0.3745
Android (android.graphics.Color)	4294343242 (0xFFFF67A4A)
YUV	153.6040, -39.2448, 81.0313
Hunter-Lab	58.3149, 39.3704, 30.0358

Details

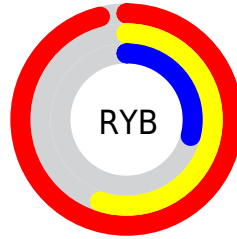
The XYZ color **46.2016, 34.0063, 10.6073** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **39.6510, 48.4945, 94.4588**, and the grayscale version is **30.6817, 32.2795, 35.1524**.

A 20% lighter version of the original color is **60.6638, 54.1849, 26.6634**, and **21.9051, 14.5222, 2.6258** is the 20% darker color. If you saturate the color by 10%, you get **43.5466, 29.7738, 6.4021**, and if you desaturate by 10%, it is **49.5793, 39.1667, 16.6515**.

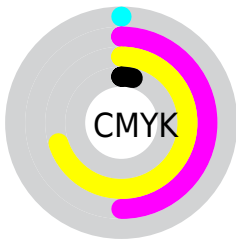
Distribution



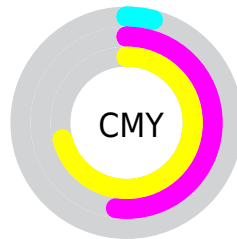
- Red (96%)
- Green (48%)
- Blue (29%)



- Red (96%)
- Yellow (55%)
- Blue (29%)



- Cyan (0%)
- Magenta (50%)
- Yellow (70%)
- Black (4%)



- Cyan (4%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2016, 34.0063, 10.6073 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 XYZ color 46.2016, 34.0063, 10.6073 by changing the saturation by 10% instead.

46.2016, 34.0063,
10.6073

46.2016, 34.0063,
10.6073

362.3209,
320.1601, 205.5930

32.6102, 22.8984,
5.6926

83.7466, 65.9435,
27.5571

21.9858, 14.5185,
2.5933

108.4310, 87.5416,
40.4294

13.9630, 8.4822,
0.8890

137.5438,
113.4052, 56.7912

8.1765, 4.4050,
0.0000

171.4503,
143.9187, 77.0611

4.2608, 1.9026,
0.0000

210.5159,
179.4666, 101.6577

1.8507, 0.5499,
0.0000

255.1060,

0.5480, 0.0000,

220.4332, 130.9996

0.0000

305.5859,
267.2029, 165.5051

■ 0.0000, 0.0000,
0.0000

■ 46.2016, 34.0063,
10.6073

■ 46.2016, 34.0063,
10.6073

■ 43.5466, 29.7738,
6.4021

■ 49.5793, 39.1667,
16.6515

■ 41.5502, 26.4042,
3.8151

■ 53.7311, 45.3030,
24.7174


■ 40.1231, 23.8256,
2.4899


■ 58.7061, 52.4660,
34.9673


■ 40.1131, 23.8074,
2.4811

■ 64.5482, 60.7015,
47.5465

■ 71.2980, 70.0522,
62.5875

 78.9937, 80.5584,
80.2130

 87.6710, 92.2584,
100.5374

 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



52.7938, 34.0063, 23.7954



46.2016, 34.0063, 10.6073



36.5017, 34.0063, 6.0530

Triad

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



46.2016, 34.0063, 10.6073



17.7376, 34.0063, 26.6858



37.9339, 34.0063, 111.5343

Complementary

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



46.2016, 34.0063, 10.6073



39.6510, 48.4945, 94.4588

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.



28.4742, 34.0063, 113.6341



46.2016, 34.0063, 10.6073



17.9728, 34.0063, 54.4309

Square

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



46.2016, 34.0063, 10.6073



20.8241, 34.0063, 11.8400



21.5442, 34.0063, 89.2473



47.4233, 34.0063, 84.4231

Rectangle

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



46.2016, 34.0063, 10.6073



30.1308, 34.0063, 5.7899



21.5442, 34.0063, 89.2473



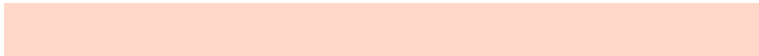
34.6169, 34.0063, 115.5309

Sweetspot

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



46.2024, 34.0081, 10.6079



76.4932, 74.8134, 65.9451



50.8956, 28.6668, 57.5760



15.9241, 15.3941, 13.1081



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2024, 34.0081, 10.6079



46.2503, 30.6458, 5.5571



61.2810, 64.1655, 15.6341



16.8756, 17.2354, 17.2349



21.5122, 12.9100, 1.3581



1.9738, 1.3008, 0.1470

Inverse Universe

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



39.6510, 48.4945, 94.4588



38.5197, 46.8137, 101.6135



25.4911, 20.1746, 89.7388



16.5829, 17.9301, 21.1294



17.4307, 20.6553, 49.6062



1.6183, 1.9880, 4.3887

Previews

White Background



This preview shows how the XYZ color 46.2016, 34.0063, 10.6073 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.2016, 34.0063, 10.6073 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2016, 34.0063, 10.6073

Background



This preview shows how black text looks on a background with the XYZ color 46.2016, 34.0063, 10.6073.



This preview shows how white text looks on a background with the XYZ color 46.2016, 34.0063,

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

46.2016, 34.0063, 10.6073

Protanopia

31.3621, 34.1243, 13.7378

Deuteranopia

34.6844, 33.9537, 10.0358



Tritanopia

48.9504, 34.0858, 23.0680

Trichromacy



Original Color

46.2016, 34.0063, 10.6073

Protanomaly

35.4678, 33.1394, 12.5098

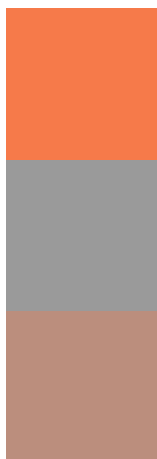
Deuteranomaly

38.2151, 33.4945, 10.2453

Tritanomaly

47.7914, 33.9539, 17.6706

Monochromacy



Original Color

46.2016, 34.0063, 10.6073

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.8682, 31.3915, 23.6761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2016, 34.0063, 10.6073 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(246, 122, 74)` looks like.

```
.text, #text, p{  
    color:rgb(246, 122, 74)  
}
```

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(246, 122, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 122, 74) }
```

Border

The CSS property to change the border of an element to XYZ 46.2016, 34.0063, 10.6073 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(246, 122, 74) }
```


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

```
.border{ border-color:rgb(246, 122, 74) }
```

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

Here you see how a box with a 4 pixel rgb(246, 122, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 122, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 122, 74);  
box-shadow:4px 4px 4px 4px rgb(246, 122,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2016, 34.0063, 10.6073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 122, 74) }
```

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

```
.background{ background-color: rgb(246,  
122, 74) }
```

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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