

Converting Colors

XYZ(46.0585, 30.3947, 5.0844)

Have a look what the booklet for
XYZ(46.0585, 30.3947, 5.0844)
contains.

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Color

**XYZ(46.0203, 30.3111,
5.0941)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6324
RGB	255, 99, 36
RGB Percent	100%, 39%, 14%
CMY	0.0000, 0.6117, 0.8588
CMYK	0.00, 0.61, 0.86, 0.00
HSL	17°, 100%, 57%
HSV	17°, 86%, 100%
XYZ	46.0203, 30.3111, 5.0941
YIQ	138.4620, 113.1990, 13.4790

Conversions

Conversions Part 2

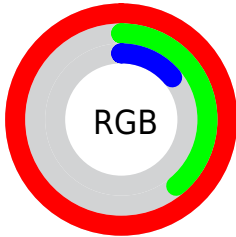
Format	Color
RYB	255, 124, 36
Decimal	16737060
CIELab	61.92, 56.75, 62.28
CIELCh	62, 84.260, 47.660
Yxy	30.3111, 0.5652, 0.3723
Android (android.graphics.Color)	4294927140 (0xFFFF6324)
YUV	138.4620, -50.5138, 102.2038
Hunter-Lab	55.0555, 52.8590, 33.0530

Details

The XYZ color **46.0203, 30.3111, 5.0941** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **37.6250, 45.2901, 101.3658**, and the grayscale version is **24.4926, 25.7681, 28.0615**.

A 20% lighter version of the original color is **54.7228, 45.4073, 15.1128**, and **22.0281, 12.5330, 1.2581** is the 20% darker color. If you saturate the color by 10%, you get **44.2283, 27.1450, 3.2101**, and if you desaturate by 10%, it is **48.4771, 34.3652, 8.5642**.

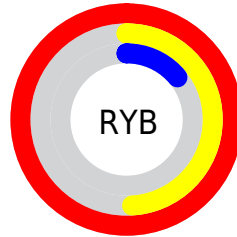
Distribution



Red (100%)

Green (39%)

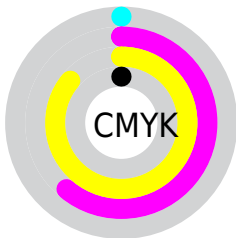
Blue (14%)



Red (100%)

Yellow (49%)

Blue (14%)

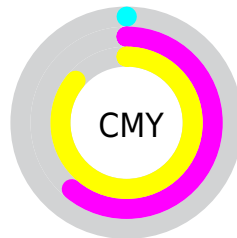


Cyan (0%)

Magenta (61%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0203, 30.3111, 5.0941 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 46.0203, 30.3111, 5.0941 by changing the saturation by 10% instead.


 46.0203, 30.3111,
5.0941


 46.0203, 30.3111,
5.0941

361.6048,
303.3519, 159.7045

 32.4665, 20.0748,
2.2429


 83.4771, 60.1538,
16.4634


 21.8754, 12.4495,
0.6989


 108.1108, 80.5291,
25.8185


 13.8814, 7.0506,
0.0000


 137.1685,
105.0528, 38.1788

 8.1194, 3.4937,
0.0000

 171.0156,
134.1093, 53.9626

 4.2239, 1.3946,
0.0000

 210.0174,
168.0831, 73.5885

 1.8296, 0.2127,
0.0000

 254.5393,

 0.5354, 0.0000,

207.3585, 97.4751

0.0000

304.9467,
252.3200, 126.0410

■ 0.0000, 0.0000,
0.0000

■ 46.0203, 30.3111,
5.0941

■ 46.0203, 30.3111,
5.0941

■ 44.2283, 27.1450,
3.2101

■ 48.4771, 34.3652,
8.5642

■ 43.6464, 26.0733,
2.7322

■ 51.6711, 39.3700,
13.8929

■ 55.6656, 45.3874,
21.3027

■ 60.5157, 52.4719,
30.9838

■ 66.2714, 60.6739,
43.1046

72.9785, 70.0407,
57.8176

80.6793, 80.6164,
75.2626

89.4139, 92.4429,
95.5694

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



54.8031, 30.3111, 17.5224



46.0203, 30.3111, 5.0941



33.6966, 30.3111, 1.9176

Triad

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



46.0203, 30.3111, 5.0941



12.3952, 30.3111, 21.4318



35.9008, 30.3111, 134.5808

Complementary

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



46.0203, 30.3111, 5.0941



37.6250, 45.2901, 101.3658

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.



24.4199, 30.3111, 138.4242



46.0203, 30.3111, 5.0941



12.6944, 30.3111, 55.6534

Square

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



46.0203, 30.3111, 5.0941



15.5711, 30.3111, 6.3590



16.5345, 30.3111, 103.4700



47.9923, 30.3111, 94.9835

Rectangle

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



46.0203, 30.3111, 5.0941



26.0153, 30.3111, 1.7885



16.5345, 30.3111, 103.4700



31.7976, 30.3111, 140.7271

Sweetspot

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



46.0210, 30.3128, 5.0946



72.8939, 69.9234, 57.6282



51.4907, 26.3697, 52.7987



15.0822, 14.2442, 11.1816



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.



46.0210, 30.3128, 5.0946



43.6467, 26.0735, 2.7322



64.0044, 66.2797, 11.0891



18.4350, 18.8382, 18.8088



22.9162, 13.8436, 1.4643



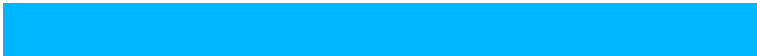
2.3200, 1.5254, 0.1722

Inverse Universe

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



37.6250, 45.2901, 101.3658



34.7029, 40.5257, 100.6010



21.9054, 13.8508, 96.1260



18.0874, 19.5464, 23.0695



18.2674, 21.4443, 52.6110



1.8724, 2.2754, 5.1538

Previews

White Background



This preview shows how the XYZ color 46.0203, 30.3111, 5.0941 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 46.0203, 30.3111, 5.0941 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 46.0203, 30.3111, 5.0941

Background



This preview shows how black text looks on a background with the XYZ color 46.0203, 30.3111, 5.0941.



This preview shows how white text looks on a background with the XYZ color 46.0203, 30.3111,

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

46.0203, 30.3111, 5.0941

Protanopia

27.6092, 30.3593, 7.3105

Deuteranopia

30.9301, 30.3019, 4.3335



Tritanopia

47.6325, 30.3645, 15.4070

Trichromacy



Original Color

46.0203, 30.3111, 5.0941

Protanomaly

32.3903, 28.6938, 6.2142

Deuteranomaly

35.2859, 29.2553, 4.2773

Tritanomaly

46.7624, 30.1616, 10.3783

Monochromacy



Original Color

46.0203, 30.3111, 5.0941

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.6127, 25.1786, 15.6638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0203, 30.3111, 5.0941 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, 99, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 36)  
}
```

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, 99, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 36) }
```

Border

The CSS property to change the border of an element to XYZ 46.0203, 30.3111, 5.0941 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, 99, 36) }
```


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

```
.border{ border-color:rgb(255, 99, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0203, 30.3111, 5.0941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 36) }
```

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

```
.background{ background-color: rgb(255, 99,  
36) }
```

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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