

Converting Colors

XYZ(45.9796, 29.7832, 6.4573)

Have a look what the booklet for
XYZ(45.9796, 29.7832, 6.4573)
contains.

XYZ(46.0204, 29.8648, 6.4709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0204, 29.8648,
6.4709)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6033
RGB	255, 96, 51
RGB Percent	100%, 38%, 20%
CMY	0.0000, 0.6235, 0.8000
CMYK	0.00, 0.62, 0.80, 0.00
HSL	13°, 100%, 60%
HSV	13°, 80%, 100%
XYZ	46.0204, 29.8648, 6.4709
YIQ	138.4110, 109.2090, 19.7130

Conversions

Conversions Part 2

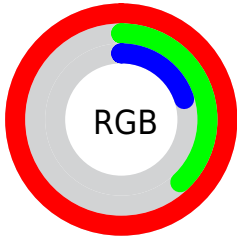
Format	Color
R_{YB}	255, 109, 51
Decimal	16736307
CIE _{Lab}	61.54, 58.41, 55.64
CIE _{LCh}	62, 80.666, 43.608
Yxy	29.8648, 0.5588, 0.3626
Android (android.graphics.Color)	4294926387 (0xFFFF6033)
YUV	138.4110, -43.0936, 102.2486
Hunter-Lab	54.6487, 54.6820, 31.2336

Details

The XYZ color **46.0204, 29.8648, 6.4709** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.4593, 54.0120, 102.7945**, and the grayscale version is **24.4465, 25.7196, 28.0087**.

A 20% lighter version of the original color is **54.8172, 44.6561, 18.0422**, and **21.8661, 12.2089, 1.2041** is the 20% darker color. If you saturate the color by 10%, you get **44.0145, 26.5200, 3.7474**, and if you desaturate by 10%, it is **48.7937, 34.2527, 10.9690**.

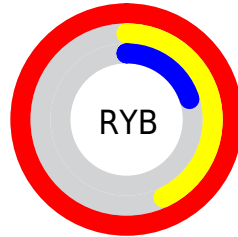
Distribution



Red (100%)

Green (38%)

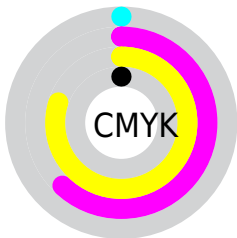
Blue (20%)



Red (100%)

Yellow (43%)

Blue (20%)

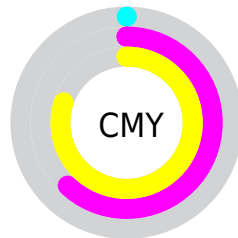


Cyan (0%)

Magenta (62%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0204, 29.8648, 6.4709 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 46.0204, 29.8648, 6.4709 by changing the saturation by 10% instead.


 46.0204, 29.8648,
6.4709


 46.0204, 29.8648,
6.4709


361.6052,
301.2737, 172.6525

 32.4666, 19.7360,
3.0601


 83.4772, 59.4483,
19.3950


 21.8754, 12.2033,
1.1254


 108.1109, 79.6718,
29.7454


 13.8815, 6.8823,
0.0000


 137.1687,
104.0289, 43.2461

 8.1194, 3.3886,
0.0000

 171.0158,
132.9042, 60.3156

 4.2239, 1.3378,
0.0000

 210.0177,
166.6819, 81.3724

 1.8296, 0.1702,
0.0000

 254.5396,

 0.5354, 0.0000,

205.7464, 106.8352

0.0000

304.9470,
250.4823, 137.1223

■ 0.0000, 0.0000,
0.0000

■ 46.0204, 29.8648,
6.4709

■ 46.0204, 29.8648,
6.4709

■ 44.0145, 26.5200,
3.7474

■ 48.7937, 34.2527,
10.9690

■ 42.6666, 24.1137,
2.4057

■ 52.4081, 39.7594,
17.4828

■ 42.6665, 24.1136,
2.4056

■ 56.9299, 46.4588,
26.2173

■ 62.4181, 54.4168,
37.3512

■ 68.9261, 63.6947,
51.0452

76.5037, 74.3493,
67.4460

85.1972, 86.4342,
86.6890

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



53.4148, 29.8648, 20.5417



46.0204, 29.8648, 6.4709



34.5901, 29.8648, 2.4286

Triad

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



46.0204, 29.8648, 6.4709



12.8809, 29.8648, 18.5739



33.5011, 29.8648, 129.8406

Complementary

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



46.0204, 29.8648, 6.4709



42.4593, 54.0120, 102.7945

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.



22.9713, 29.8648, 127.9861



46.0204, 29.8648, 6.4709



12.7288, 29.8648, 48.4258

Square

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



46.0204, 29.8648, 6.4709



16.4385, 29.8648, 5.8056



15.9526, 29.8648, 92.3574



45.0525, 29.8648, 96.4738

Rectangle

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



46.0204, 29.8648, 6.4709



27.1118, 29.8648, 2.0469



15.9526, 29.8648, 92.3574



29.6987, 29.8648, 133.7442

Sweetspot

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



46.0211, 29.8665, 6.4714



73.3414, 69.9186, 60.5514



54.1563, 28.3207, 64.1084



15.1268, 14.1614, 11.7266



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.



46.0211, 29.8665, 6.4714



43.1412, 24.9731, 2.8394



61.8489, 61.5221, 11.7473



18.3343, 18.6368, 18.7753



22.3837, 12.7787, 1.2868



2.2561, 1.3975, 0.1508

Inverse Universe

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



42.4593, 54.0120, 102.7945



39.0616, 49.0537, 102.0173



24.8626, 18.8186, 96.9289



18.1949, 19.7614, 23.1053



20.1874, 25.2844, 53.2510



2.0455, 2.6216, 5.2115

Previews

White Background



This preview shows how the XYZ color 46.0204, 29.8648, 6.4709 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 XYZ color 46.0204, 29.8648, 6.4709 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](#).

XYZ 46.0204, 29.8648, 6.4709

Background



This preview shows how black text looks on a background with the XYZ color 46.0204, 29.8648, 6.4709.



This preview shows how white text looks on a background with the XYZ color 46.0204, 29.8648,

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

46.0204, 29.8648, 6.4709

Protanopia

27.2479, 29.8876, 9.4870

Deuteranopia

30.3523, 29.7481, 5.8925



Tritanopia

47.2718, 29.7961, 14.8150

Trichromacy



Original Color

46.0204, 29.8648, 6.4709

Protanomaly

32.1136, 28.3080, 8.1863

Deuteranomaly

34.9029, 28.8314, 5.9159

Tritanomaly

46.6396, 29.6828, 11.0558

Monochromacy



Original Color

46.0204, 29.8648, 6.4709

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.7405, 25.0303, 16.9522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0204, 29.8648, 6.4709 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, 96, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 51)  
}
```

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, 96, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 51) }
```

Border

The CSS property to change the border of an element to XYZ 46.0204, 29.8648, 6.4709 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, 96, 51) }
```


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

```
.border{ border-color:rgb(255, 96, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0204, 29.8648, 6.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 51) }
```

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

```
.background{ background-color: rgb(255, 96,  
51) }
```

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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