

Converting Colors

XYZ(45.4060, 29.9613, 4.0062)

Have a look what the booklet for
XYZ(45.4060, 29.9613, 4.0062)
contains.

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Color

**XYZ(45.4524, 30.0415,
4.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6313
RGB	254, 99, 19
RGB Percent	100%, 39%, 7%
CMY	0.0039, 0.6117, 0.9255
CMYK	0.00, 0.61, 0.93, 0.00
HSL	20°, 99%, 54%
HSV	20°, 93%, 100%
XYZ	45.4524, 30.0415, 4.0191
YIQ	136.2250, 118.0600, 7.9800

Conversions

Conversions Part 2

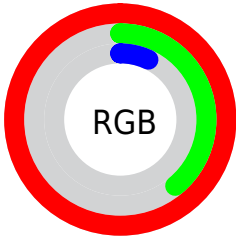
Format	Color
R_{YB}	254, 140, 19
Decimal	16671507
CIE Lab	61.69, 56.13, 67.36
CIE LCh	62, 87.678, 50.195
Yxy	30.0415, 0.5716, 0.3778
Android (android.graphics.Color)	4294861587 (0xFFFE6313)
YUV	136.2250, -57.7919, 103.2887
Hunter-Lab	54.8101, 52.1070, 34.0195

Details

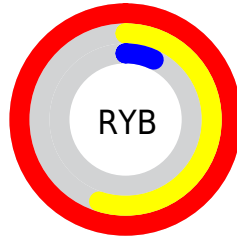
The XYZ color **45.4524, 30.0415, 4.0191** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **33.2927, 37.5638, 99.2609**, and the grayscale version is **23.6666, 24.8991, 27.1152**.

A 20% lighter version of the original color is **54.2659, 45.2245, 12.7066**, and **21.7792, 12.4047, 1.2465** is the 20% darker color. If you saturate the color by 10%, you get **44.2386, 27.8024, 3.0348**, and if you desaturate by 10%, it is **47.5530, 33.6916, 6.4197**.

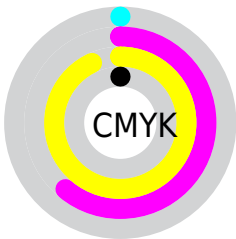
Distribution



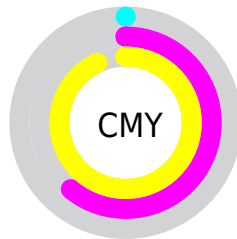
- Red (100%)
- Green (39%)
- Blue (7%)



- Red (100%)
- Yellow (55%)
- Blue (7%)



- Cyan (0%)
- Magenta (61%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4524, 30.0415, 4.0191 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 45.4524, 30.0415, 4.0191 by changing the saturation by 10% instead.


 45.4524, 30.0415,
4.0191


 45.4524, 30.0415,
4.0191

359.3557,
302.0978, 148.4374

 32.0167, 19.8701,
1.6358


 82.6318, 59.7278,
14.0538


 21.5299, 12.3006,
0.3162


 107.1061, 80.0115,
22.5423

 13.6265, 6.9488,
0.0000


 135.9908,
104.4347, 33.9029

 7.9413, 3.4301,
0.0000

 169.6511,
133.3819, 48.5543

 4.1089, 1.3602,
0.0000

 208.4524,
167.2374, 66.9149


 1.7639, 0.1871,
0.0000

 252.7600,


 0.4958, 0.0000,


206.3856, 89.4032


0.0000


 302.9393,
251.2110, 116.4379


 0.0000, 0.0000,
0.0000


 45.4524, 30.0415,
4.0191


 45.4524, 30.0415,
4.0191

 44.2386, 27.8024,
3.0348

 47.5530, 33.6916,
6.4197

 50.2932, 38.1528,
10.4755

 53.7373, 43.4800,
16.4354

 57.9394, 49.7209,
24.5055

 62.9477, 56.9189,
34.8645

68.8061, 65.1147,
47.6722

75.5550, 74.3463,
63.0736

83.2318, 84.6495,
81.2027

91.8721, 96.0585,
102.1838

Harmonies

Analogous

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



55.1988, 30.0415, 15.1690



45.4524, 30.0415, 4.0191



32.5456, 30.0415, 1.4634

Triad

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



45.4524, 30.0415, 4.0191



11.6646, 30.0415, 22.9459



37.0172, 30.0415, 137.6104

Complementary

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



45.4524, 30.0415, 4.0191



33.2927, 37.5638, 99.2609

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.



24.9020, 30.0415, 145.6066



45.4524, 30.0415, 4.0191



12.2530, 30.0415, 60.2727

Square

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



45.4524, 30.0415, 4.0191



14.5569, 30.0415, 6.4141



16.4678, 30.0415, 111.0283



49.4816, 30.0415, 93.4671

Rectangle

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



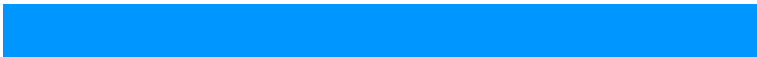
45.4524, 30.0415, 4.0191



24.7648, 30.0415, 1.4730



16.4678, 30.0415, 111.0283



32.7103, 30.0415, 145.4009

Sweetspot

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



45.4530, 30.0432, 4.0196



72.3834, 69.7711, 54.7800



48.9092, 24.6580, 43.0837



14.8864, 14.0994, 10.3552



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.



45.4530, 30.0432, 4.0196



44.6334, 28.0467, 3.0611



65.2483, 69.6337, 10.6180



18.5148, 18.9979, 18.8354



23.4455, 14.9023, 1.6407



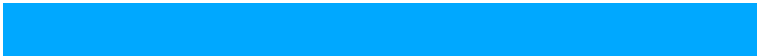
2.3794, 1.6442, 0.1920

Inverse Universe

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



33.2927, 37.5638, 99.2609



32.0865, 35.2931, 99.7288



19.6795, 10.3375, 94.7232



18.0036, 19.3787, 23.0415



16.9100, 18.7296, 52.1585



1.7479, 2.0265, 5.1123

Previews

White Background



This preview shows how the XYZ color 45.4524, 30.0415, 4.0191 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 45.4524, 30.0415, 4.0191 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 45.4524, 30.0415, 4.0191

Background



This preview shows how black text looks on a background with the XYZ color 45.4524, 30.0415, 4.0191.



This preview shows how white text looks on a background with the XYZ color 45.4524, 30.0415,

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

45.4524, 30.0415, 4.0191

Protanopia

27.3293, 30.2473, 5.8368

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

47.4065, 29.9896, 15.0943

Trichromacy



Original Color

45.4524, 30.0415, 4.0191

Protanomaly

31.8791, 28.4586, 4.9114

Deuteranomaly

34.9398, 29.0832, 3.9731

Tritanomaly

46.4377, 29.8866, 9.1155

Monochromacy



Original Color

45.4524, 30.0415, 4.0191

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.6491, 24.5399, 13.6353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4524, 30.0415, 4.0191 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(254, 99, 19)` looks like.

```
.text, #text, p{  
    color:rgb(254, 99, 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(254, 99, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 19) }
```

Border

The CSS property to change the border of an element to XYZ 45.4524, 30.0415, 4.0191 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(254, 99, 19) }
```


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

```
.border{ border-color:rgb(254, 99, 19) }
```

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

Here you see how a box with a 4 pixel rgb(254, 99, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 19);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4524, 30.0415, 4.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 19) }
```

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

```
.background{ background-color: rgb(254, 99,  
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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