

Converting Colors

XYZ(45.5643, 29.7149, 3.9686)

Have a look what the booklet for
XYZ(45.5643, 29.7149, 3.9686)
contains.

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Color

**XYZ(45.5404, 29.6728,
3.9433)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6013
RGB	255, 96, 19
RGB Percent	100%, 38%, 7%
CMY	0.0000, 0.6235, 0.9255
CMYK	0.00, 0.62, 0.93, 0.00
HSL	20°, 100%, 54%
HSV	20°, 93%, 100%
XYZ	45.5404, 29.6728, 3.9433
YIQ	134.7630, 119.4810, 9.7610

Conversions

Conversions Part 2

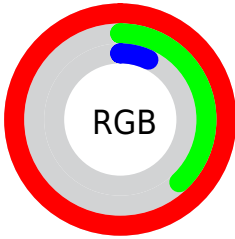
Format	Color
RYB	255, 133, 19
Decimal	16736275
CIELab	61.37, 57.76, 67.23
CIELCh	61, 88.631, 49.334
Yxy	29.6728, 0.5753, 0.3749
Android (android.graphics.Color)	4294926355 (0xFFFF6013)
YUV	134.7630, -57.0712, 105.4478
Hunter-Lab	54.4727, 53.9026, 33.8389

Details

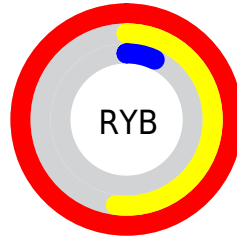
The XYZ color **45.5404, 29.6728, 3.9433** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **34.2374, 39.1963, 100.3680**, and the grayscale version is **23.1166, 24.3205, 26.4850**.

A 20% lighter version of the original color is **53.7727, 44.2383, 12.5422**, and **21.8661, 12.2089, 1.2041** is the 20% darker color. If you saturate the color by 10%, you get **44.3488, 27.4781, 2.9664**, and if you desaturate by 10%, it is **47.6301, 33.2981, 6.3497**.

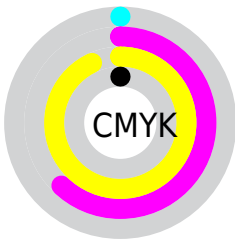
Distribution



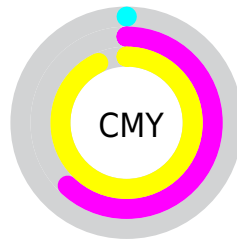
- Red (100%)
- Green (38%)
- Blue (7%)



- Red (100%)
- Yellow (52%)
- Blue (7%)



- Cyan (0%)
- Magenta (62%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5404, 29.6728, 3.9433 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 45.5404, 29.6728, 3.9433 by changing the saturation by 10% instead.


 45.5404, 29.6728,
3.9433


 45.5404, 29.6728,
3.9433


359.7048,
300.3763, 147.5930


 32.0864, 19.5904,
1.5943


 82.7628, 59.1443,
13.8788

 21.5834, 12.0976,
0.2867


 107.2620, 79.3022,
22.3023

 13.6660, 6.8102,
0.0000


 136.1735,
103.5874, 33.5878

 7.9688, 3.3437,
0.0000

 169.8628,
132.3843, 48.1538

 4.1267, 1.3137,
0.0000

 208.6952,
166.0772, 66.4187


 1.7740, 0.1518,
0.0000

 253.0361,


 0.5020, 0.0000,


205.0506, 88.8012


0.0000


 303.2509,
249.6888, 115.7198


 0.0000, 0.0000,
0.0000


 45.5404, 29.6728,
3.9433


 45.5404, 29.6728,
3.9433


 44.3488, 27.4781,
2.9664

 47.6301, 33.2981,
6.3497

 50.3770, 37.7656,
10.4294

 53.8473, 43.1335,
16.4345

 58.0970, 49.4524,
24.5736

 63.1760, 56.7684,
35.0277

69.1295, 65.1247,
47.9584

75.9992, 74.5616,
63.5127

83.8241, 85.1171,
81.8258

92.6406, 96.8274,
103.0239

Harmonies

Analogous

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



55.1868, 29.6728, 15.3343



45.5404, 29.6728, 3.9433



32.5731, 29.6728, 1.3508

Triad

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



45.5404, 29.6728, 3.9433



11.3744, 29.6728, 21.7948



36.3217, 29.6728, 139.1337

Complementary

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



45.5404, 29.6728, 3.9433



34.2374, 39.1963, 100.3680

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.



24.2425, 29.6728, 145.9081



45.5404, 29.6728, 3.9433



11.8613, 29.6728, 58.6623

Square

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



45.5404, 29.6728, 3.9433



14.3543, 29.6728, 5.8905



15.9412, 29.6728, 109.9083



48.9284, 29.6728, 95.0657

Rectangle

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



45.5404, 29.6728, 3.9433



24.7112, 29.6728, 1.3197



15.9412, 29.6728, 109.9083



32.0094, 29.6728, 146.6200

Sweetspot

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



45.5410, 29.6745, 3.9438



72.1380, 69.2803, 54.6982



49.7380, 25.0319, 45.5331



14.8285, 13.9837, 10.3359



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.



45.5410, 29.6745, 3.9438



44.3492, 27.4784, 2.9664



64.8341, 68.2606, 10.3748



18.4934, 18.9549, 18.8283



23.2936, 14.5984, 1.5901



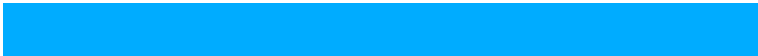
2.3627, 1.6107, 0.1864

Inverse Universe

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



34.2374, 39.1963, 100.3680



32.7630, 36.6460, 99.9543



20.0558, 10.8331, 95.6408



18.0260, 19.4236, 23.0490



17.2613, 19.4321, 52.2756



1.7803, 2.0913, 5.1231

Previews

White Background



This preview shows how the XYZ color 45.5404, 29.6728, 3.9433 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 45.5404, 29.6728, 3.9433 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 45.5404, 29.6728, 3.9433

Background



This preview shows how black text looks on a background with the XYZ color 45.5404, 29.6728, 3.9433.



This preview shows how white text looks on a background with the XYZ color 45.5404, 29.6728,

3.9433.

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

45.5404, 29.6728, 3.9433

Protanopia

26.9583, 29.8202, 5.7739

Deuteranopia

30.2639, 29.7411, 4.1455



Tritanopia

47.1785, 29.7588, 14.3238

Trichromacy



Original Color

45.5404, 29.6728, 3.9433

Protanomaly

31.7454, 28.1912, 4.8669

Deuteranomaly

34.5233, 28.6796, 3.9172

Tritanomaly

46.1977, 29.5061, 8.7292

Monochromacy



Original Color

45.5404, 29.6728, 3.9433

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

27.4036, 24.0488, 13.5535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5404, 29.6728, 3.9433 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 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(255, 96, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 19) }
```

Border

The CSS property to change the border of an element to XYZ 45.5404, 29.6728, 3.9433 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, 19) }
```


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

```
.border{ border-color:rgb(255, 96, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5404, 29.6728, 3.9433 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, 19) }
```

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

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