

Converting Colors

XYZ(46.2727, 29.8042, 3.8945)

Have a look what the booklet for
XYZ(46.2727, 29.8042, 3.8945)
contains.

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Color

**XYZ(45.3519, 29.3091,
3.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E12
RGB	255, 94, 18
RGB Percent	100%, 37%, 7%
CMY	0.0000, 0.6313, 0.9294
CMYK	0.00, 0.63, 0.93, 0.00
HSL	19°, 100%, 54%
HSV	19°, 93%, 100%
XYZ	45.3519, 29.3091, 3.8392
YIQ	133.4750, 120.3520, 10.4960

Conversions

Conversions Part 2

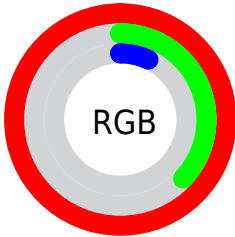
Format	Color
R_{YB}	255, 130, 18
Decimal	16735762
CIE _{Lab}	61.05, 58.58, 67.27
CIE _{LCh}	61, 89.202, 48.947
Yxy	29.3091, 0.5777, 0.3734
Android (android.graphics.Color)	4294925842 (0xFFFF5E12)
YUV	133.4750, -56.9292, 106.5774
Hunter-Lab	54.1379, 54.7901, 33.6920

Details

The XYZ color **45.3519, 29.3091, 3.8392** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **34.4180, 39.5859, 100.4338**, and the grayscale version is **22.6400, 23.8191, 25.9390**.

A 20% lighter version of the original color is **53.4163, 43.5807, 12.2532**, and **21.5301, 11.9065, 1.1634** is the 20% darker color. If you saturate the color by 10%, you get **44.2404, 27.2614, 2.9302**, and if you desaturate by 10%, it is **47.4058, 32.8795, 6.1821**.

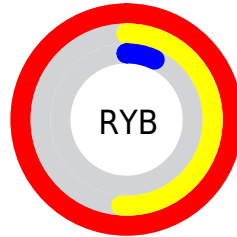
Distribution



Red (100%)

Green (37%)

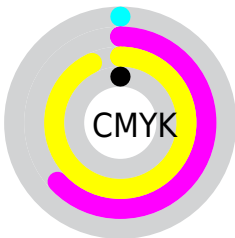
Blue (7%)



Red (100%)

Yellow (51%)

Blue (7%)

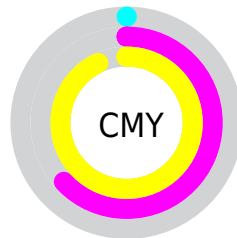


Cyan (0%)

Magenta (63%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3519, 29.3091, 3.8392 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 45.3519, 29.3091, 3.8392 by changing the saturation by 10% instead.


 45.3519, 29.3091,
3.8392


 45.3519, 29.3091,
3.8392


358.9567,
298.6706, 146.4210

 31.9372, 19.3148,
1.5376


 82.4820, 58.5678,
13.6372

 21.4688, 11.8979,
0.2457


 106.9281, 78.6010,
21.9706

 13.5815, 6.6742,
0.0000


 135.7821,
102.7493, 33.1517

 7.9099, 3.2592,
0.0000

 169.4092,
131.3970, 47.5989

 4.0887, 1.2685,
0.0000

 208.1749,
164.9286, 65.7310


 1.7524, 0.1166,
0.0000

 252.4444,


 0.4888, 0.0000,


203.7285, 87.9663


0.0000


 302.5832,
248.1810, 114.7234


 0.0000, 0.0000,
0.0000


 45.3519, 29.3091,
3.8392


 45.3519, 29.3091,
3.8392


 44.2404, 27.2614,
2.9302

 47.4058, 32.8795,
6.1821

 50.1188, 37.2992,
10.1888

 53.5580, 42.6275,
16.1138

 57.7803, 48.9164,
24.1670

 62.8361, 56.2131,
34.5306

68.7715, 64.5618,
47.3670

75.6286, 74.0036,
62.8237

83.4467, 84.5774,
81.0367

92.2628, 96.3200,
102.1325

Harmonies

Analogous

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



54.9366, 29.3091, 15.2600



45.3519, 29.3091, 3.8392



32.3860, 29.3091, 1.2655

Triad

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



45.3519, 29.3091, 3.8392



11.1247, 29.3091, 21.1070



35.7995, 29.3091, 139.4986

Complementary

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



45.3519, 29.3091, 3.8392



34.4180, 39.5859, 100.4338

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.



23.7720, 29.3091, 145.7124



45.3519, 29.3091, 3.8392



11.5641, 29.3091, 57.6664

Square

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



45.3519, 29.3091, 3.8392



14.1277, 29.3091, 5.5751



15.5634, 29.3091, 109.0771



48.4436, 29.3091, 95.4846

Rectangle

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



45.3519, 29.3091, 3.8392



24.5103, 29.3091, 1.2184



15.5634, 29.3091, 109.0771



31.4961, 29.3091, 146.8443

Sweetspot

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



45.3525, 29.3108, 3.8397



72.0414, 69.0870, 54.6660



49.6892, 24.9859, 45.3576



14.8058, 13.9382, 10.3283



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.



45.3525, 29.3108, 3.8397



44.2408, 27.2616, 2.9303



64.7800, 68.1658, 10.3155



18.4849, 18.9379, 18.8255



23.2355, 14.4822, 1.5707



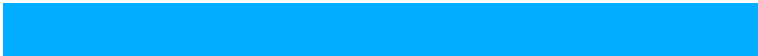
2.3562, 1.5978, 0.1842

Inverse Universe

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



34.4180, 39.5859, 100.4338



33.0357, 37.1913, 100.0452



19.9924, 10.7347, 95.6253



18.0349, 19.4414, 23.0520



17.4028, 19.7151, 52.3228



1.7933, 2.1173, 5.1274

Previews

White Background



This preview shows how the XYZ color 45.3519, 29.3091, 3.8392 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 45.3519, 29.3091, 3.8392 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 45.3519, 29.3091, 3.8392

Background



This preview shows how black text looks on a background with the XYZ color 45.3519, 29.3091, 3.8392.



This preview shows how white text looks on a background with the XYZ color 45.3519, 29.3091,

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

45.3519, 29.3091, 3.8392

Protanopia

26.5903, 29.3966, 5.7115

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

46.9165, 29.3805, 13.7879

Trichromacy



Original Color

45.3519, 29.3091, 3.8392

Protanomaly

31.2175, 27.5279, 4.7667

Deuteranomaly

33.9853, 28.0301, 3.8202

Tritanomaly

45.9645, 29.1355, 8.3554

Monochromacy



Original Color

45.3519, 29.3091, 3.8392

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

26.6166, 23.2961, 12.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3519, 29.3091, 3.8392 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, 94, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 18)  
}
```

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, 94, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 18) }
```

Border

The CSS property to change the border of an element to XYZ 45.3519, 29.3091, 3.8392 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, 94, 18) }
```


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

```
.border{ border-color:rgb(255, 94, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 94, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3519, 29.3091, 3.8392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 18) }
```

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

```
.background{ background-color: rgb(255, 94,  
18) }
```

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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