

Converting Colors

XYZ(51.2682, 31.7394, 6.8115)

Have a look what the booklet for
XYZ(51.2682, 31.7394, 6.8115)
contains.

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Color

**XYZ(45.5388, 28.8294,
6.5326)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5A35
RGB	255, 90, 53
RGB Percent	100%, 35%, 21%
CMY	0.0000, 0.6470, 0.7922
CMYK	0.00, 0.65, 0.79, 0.00
HSL	11°, 100%, 60%
HSV	11°, 79%, 100%
XYZ	45.5388, 28.8294, 6.5326
YIQ	135.1170, 110.2170, 23.4730

Conversions

Conversions Part 2

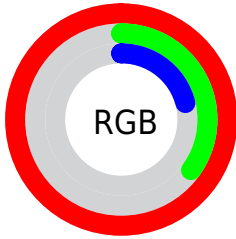
Format	Color
R_{YB}	255, 98, 53
Decimal	16734773
CIE _{Lab}	60.63, 60.94, 53.83
CIE _{LCh}	61, 81.309, 41.452
Yxy	28.8294, 0.5629, 0.3564
Android (android.graphics.Color)	4294924853 (0xFFFF5A35)
YUV	135.1170, -40.4837, 105.1374
Hunter-Lab	53.6930, 57.4289, 30.3716

Details

The XYZ color **45.5388, 28.8294, 6.5326** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **44.5868, 58.1142, 103.4743**, and the grayscale version is **23.1910, 24.3987, 26.5702**.

A 20% lighter version of the original color is **54.1219, 43.1067, 18.2999**, and **21.5883, 11.6446, 1.1385** is the 20% darker color. If you saturate the color by 10%, you get **43.5828, 25.6201, 3.7157**, and if you desaturate by 10%, it is **48.2998, 33.1509, 11.1553**.

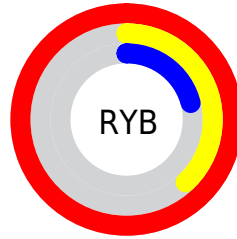
Distribution



Red (100%)

Green (35%)

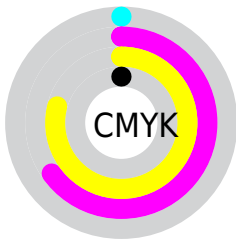
Blue (21%)



Red (100%)

Yellow (38%)

Blue (21%)

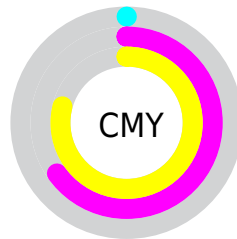


Cyan (0%)

Magenta (65%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5388, 28.8294, 6.5326 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 45.5388, 28.8294, 6.5326 by changing the saturation by 10% instead.


 45.5388, 28.8294,
6.5326


 45.5388, 28.8294,
6.5326


359.6984,
296.4092, 173.2023


 32.0851, 18.9518,
3.0976

 82.7604, 57.8059,
19.5232

 21.5824, 11.6355,
1.1447


 107.2591, 77.6736,
29.9158

 13.6652, 6.4960,
0.0000


 136.1702,
101.6402, 43.4647

 7.9683, 3.1489,
0.0000

 169.8589,
130.0900, 60.5884

 4.1263, 1.2100,
0.0000

 208.6908,
163.4073, 81.7055

 1.7739, 0.0698,
0.0000

 253.0311,

 0.5018, 0.0000,

201.9767, 107.2344

0.0000

303.2452,
246.1826, 137.5939

■ 0.0000, 0.0000,
0.0000

■ 45.5388, 28.8294,
6.5326

■ 45.5388, 28.8294,
6.5326

■ 43.5828, 25.6201,
3.7157

■ 48.2998, 33.1509,
11.1553

■ 42.3222, 23.4073,
2.3449

■ 51.9446, 38.6716,
17.8235

■ 42.2451, 23.2706,
2.2651

■ 56.5442, 45.4755,
26.7413

■ 62.1616, 53.6374,
38.0875

■ 68.8543, 63.2261,
52.0228

■ 76.6752, 74.3058,
68.6942

■ 85.6740, 86.9369,
88.2375

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



52.4041, 28.8294, 21.2324



45.5388, 28.8294, 6.5326



34.3556, 28.8294, 2.2689

Triad

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



45.5388, 28.8294, 6.5326



12.3458, 28.8294, 16.3287



31.6188, 28.8294, 129.3375

Complementary

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



45.5388, 28.8294, 6.5326



44.5868, 58.1142, 103.4743

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.



21.4554, 28.8294, 124.6247



45.5388, 28.8294, 6.5326



11.9687, 28.8294, 44.3602

Square

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



45.5388, 28.8294, 6.5326



16.0699, 28.8294, 4.9085



14.8608, 28.8294, 87.5077



43.0990, 28.8294, 97.9431

Rectangle

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



45.5388, 28.8294, 6.5326



26.8919, 28.8294, 1.7884



14.8608, 28.8294, 87.5077



27.9175, 28.8294, 132.2770

Sweetspot

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



45.5394, 28.8311, 6.5331



72.7896, 68.8149, 60.3674



55.6084, 29.0444, 71.3146



14.9974, 13.9025, 11.6834



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.



45.5394, 28.8311, 6.5331



42.7808, 24.2280, 2.7940



59.7944, 57.3410, 11.2847



18.2785, 18.5252, 18.7567



22.1510, 12.3133, 1.2092



2.2258, 1.3369, 0.1407

Inverse Universe

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



44.5868, 58.1142, 103.4743



41.4111, 53.7013, 102.7905



26.2748, 21.4902, 97.3703



18.2552, 19.8821, 23.1254



21.3552, 27.6199, 53.6402



2.1494, 2.8295, 5.2461

Previews

White Background



This preview shows how the XYZ color 45.5388, 28.8294, 6.5326 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 45.5388, 28.8294, 6.5326 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 45.5388, 28.8294, 6.5326

Background



This preview shows how black text looks on a background with the XYZ color 45.5388, 28.8294, 6.5326.



This preview shows how white text looks on a background with the XYZ color 45.5388, 28.8294,

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

45.5388, 28.8294, 6.5326

Protanopia

26.4082, 28.9785, 9.8318

Deuteranopia

29.3660, 28.8021, 5.9311



Tritanopia

46.5800, 28.8491, 13.2386

Trichromacy



Original Color

45.5388, 28.8294, 6.5326

Protanomaly

31.1230, 27.0164, 8.2769

Deuteranomaly

33.8703, 27.5582, 5.9170

Tritanomaly

46.1049, 28.7895, 10.3347

Monochromacy



Original Color

45.5388, 28.8294, 6.5326

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

27.7370, 23.7973, 16.4960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5388, 28.8294, 6.5326 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, 90, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 53)  
}
```

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, 90, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 53) }
```

Border

The CSS property to change the border of an element to XYZ 45.5388, 28.8294, 6.5326 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, 90, 53) }
```


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

```
.border{ border-color:rgb(255, 90, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5388, 28.8294, 6.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 53) }
```

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

```
.background{ background-color: rgb(255, 90,  
53) }
```

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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