

Converting Colors

XYZ(45.6707, 29.0180, 6.8084)

Have a look what the booklet for
XYZ(45.6707, 29.0180, 6.8084)
contains.

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Color

**XYZ(45.6707, 29.0180,
6.8084)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5B37
RGB	255, 91, 55
RGB Percent	100%, 36%, 22%
CMY	0.0000, 0.6431, 0.7843
CMYK	0.00, 0.64, 0.78, 0.00
HSL	11°, 100%, 61%
HSV	11°, 78%, 100%
XYZ	45.6707, 29.0180, 6.8084
YIQ	135.9320, 109.3000, 23.5720

Conversions

Conversions Part 2

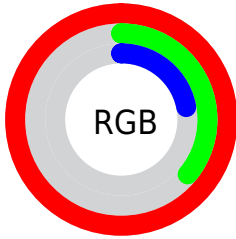
Format	Color
R_{YB}	255, 99, 55
Decimal	16735031
CIE _{Lab}	60.80, 60.60, 53.03
CIE _{LCh}	61, 80.525, 41.187
Yxy	29.0180, 0.5604, 0.3561
Android (android.graphics.Color)	4294925111 (0xFFFF5B37)
YUV	135.9320, -39.8995, 104.4226
Hunter-Lab	53.8684, 57.0663, 30.2142

Details

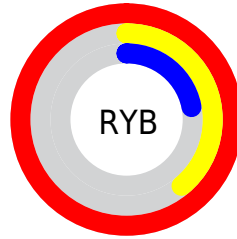
The XYZ color **45.6707, 29.0180, 6.8084** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **44.9545, 58.6903, 103.5661**, and the grayscale version is **23.4937, 24.7172, 26.9170**.

A 20% lighter version of the original color is **54.3797, 43.4597, 18.8870**, and **21.6491, 11.7398, 1.2398** is the 20% darker color. If you saturate the color by 10%, you get **43.6643, 25.7441, 3.8630**, and if you desaturate by 10%, it is **48.4916, 33.4170, 11.5813**.

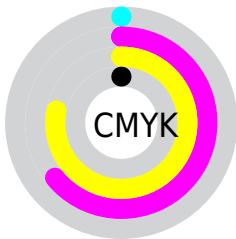
Distribution



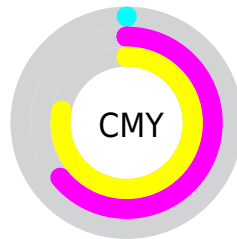
- Red (100%)
- Green (36%)
- Blue (22%)



- Red (100%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6707, 29.0180, 6.8084 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 45.6707, 29.0180, 6.8084 by changing the saturation by 10% instead.


 45.6707, 29.0180,
6.8084


 45.6707, 29.0180,
6.8084

360.2213,
297.2999, 175.6321

 32.1896, 19.0944,
3.2659

 82.9568, 58.1057,
20.0930


 21.6626, 11.7385,
1.2320


 107.4926, 78.0386,
30.6722

 13.7244, 6.5659,
0.0050


 136.4439,
102.0767, 44.4340

 8.0096, 3.1921,
0.0000

 170.1761,
130.6045, 61.7971

 4.1530, 1.2328,
0.0000

 209.0546,
164.0063, 83.1799

 1.7890, 0.0883,
0.0000

 253.4447,

 0.5111, 0.0000,

202.6666, 109.0010

0.0000

303.7118,
246.9696, 139.6789

■ 0.0000, 0.0000,
0.0000

■ 45.6707, 29.0180,
6.8084

■ 45.6707, 29.0180,
6.8084

■ 43.6643, 25.7441,
3.8630

■ 48.4916, 33.4170,
11.5813

■ 42.3681, 23.4814,
2.4142

■ 52.2053, 39.0285,
18.4178

■ 42.2133, 23.2070,
2.2545

■ 56.8827, 45.9366,
27.5200

■ 62.5867, 54.2164,
39.0651

■ 69.3747, 63.9371,
53.2128

■ 77.2997, 75.1633,
70.1092

■ 86.4114, 87.9557,
89.8895

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.



52.4131, 29.0180, 21.6798



45.6707, 29.0180, 6.8084



34.5942, 29.0180, 2.4142

Triad

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



45.6707, 29.0180, 6.8084



12.5785, 29.0180, 16.4135



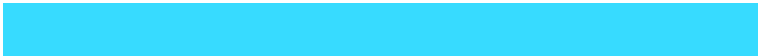
31.6729, 29.0180, 128.5920

Complementary

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



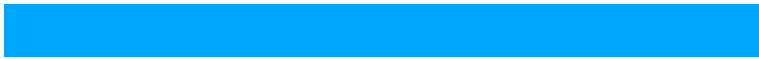
45.6707, 29.0180, 6.8084



44.9545, 58.6903, 103.5661

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.



21.5856, 29.0180, 123.5993



45.6707, 29.0180, 6.8084



12.1724, 29.0180, 44.1505

Square

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



45.6707, 29.0180, 6.8084



16.3361, 29.0180, 5.0397



15.0370, 29.0180, 86.7872



43.0719, 29.0180, 97.8612

Rectangle

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



45.6707, 29.0180, 6.8084



27.1660, 29.0180, 1.9029



15.0370, 29.0180, 86.7872



27.9997, 29.0180, 131.3722

Sweetspot

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



45.6713, 29.0197, 6.8089



72.7432, 68.7221, 60.3520



55.7461, 29.2484, 71.5804



14.9865, 13.8808, 11.6798



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.



45.6713, 29.0197, 6.8089



42.8646, 24.3678, 2.9075



59.9839, 57.6448, 11.5797



18.2738, 18.5158, 18.7551



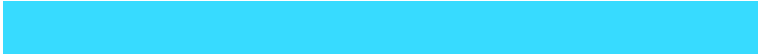
22.1333, 12.2778, 1.2033



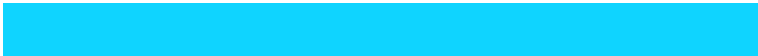
2.2234, 1.3321, 0.1399

Inverse Universe

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



44.9545, 58.6903, 103.5661



41.7561, 54.3325, 102.8942



26.5443, 21.8698, 97.4294



18.2604, 19.8923, 23.1271



21.4574, 27.8244, 53.6743



2.1585, 2.8477, 5.2492

Previews

White Background



This preview shows how the XYZ color 45.6707, 29.0180, 6.8084 looks on a white background.

Color Contrast Check

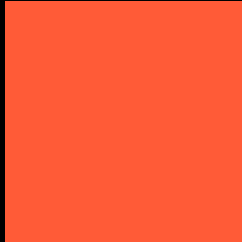
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6707, 29.0180, 6.8084 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 45.6707, 29.0180, 6.8084

Background



This preview shows how black text looks on a background with the XYZ color 45.6707, 29.0180, 6.8084.



This preview shows how white text looks on a background with the XYZ color 45.6707, 29.0180,

6.8084.

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

45.6707, 29.0180, 6.8084

Protanopia

26.6753, 29.1089, 10.1739

Deuteranopia

29.5632, 29.1137, 6.2518



Tritanopia

46.7055, 29.0298, 13.4976

Trichromacy



Original Color

45.6707, 29.0180, 6.8084

Protanomaly

31.3085, 27.2962, 8.6196

Deuteranomaly

34.0510, 27.8259, 6.2656

Tritanomaly

46.2237, 28.9693, 10.5525

Monochromacy



Original Color

45.6707, 29.0180, 6.8084

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.9607, 24.0782, 17.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6707, 29.0180, 6.8084 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, 91, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 55)  
}
```

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, 91, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 55) }
```

Border

The CSS property to change the border of an element to XYZ 45.6707, 29.0180, 6.8084 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, 91, 55) }
```


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

```
.border{ border-color:rgb(255, 91, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6707, 29.0180, 6.8084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 55) }
```

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

```
.background{ background-color: rgb(255, 91,  
55) }
```

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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