

Converting Colors

XYZ(41.5097, 27.2229, 3.0668)

Have a look what the booklet for
XYZ(41.5097, 27.2229, 3.0668)
contains.

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Color

**XYZ(41.5705, 27.2412,
3.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	F55D00
RGB	245, 93, 0
RGB Percent	96%, 36%, 0%
CMY	0.0392, 0.6353, 1.0000
CMYK	0.00, 0.62, 1.00, 0.04
HSL	23°, 100%, 48%
HSV	23°, 100%, 96%
XYZ	41.5705, 27.2412, 3.0671
YIQ	127.8460, 120.4450, 3.3010

Conversions

Conversions Part 2

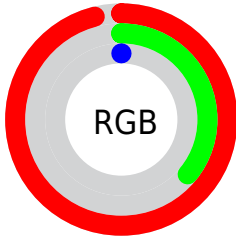
Format	Color
R_{YB}	245, 150, 0
Decimal	16080128
CIE _{Lab}	59.20, 55.41, 68.80
CIE _{LCh}	59, 88.336, 51.151
Yxy	27.2412, 0.5783, 0.3790
Android (android.graphics.Color)	4294270208 (0xFFFF55D00)
YUV	127.8460, -63.0281, 102.7441
Hunter-Lab	52.1931, 50.8329, 33.0510

Details

The XYZ color **41.5705, 27.2412, 3.0671** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **27.7088, 29.0475, 90.5316**, and the grayscale version is **20.6483, 21.7236, 23.6570**.

A 20% lighter version of the original color is **52.8133, 42.8332, 10.6383**, and **19.3944, 10.8474, 1.0715** is the 20% darker color. If you saturate the color by 10%, you get **41.5707, 27.2421, 3.0672**, and if you desaturate by 10%, it is **43.2107, 30.2497, 4.4534**.

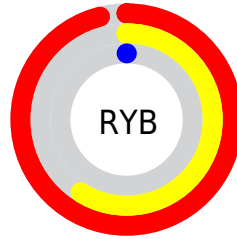
Distribution



Red (96%)

Green (36%)

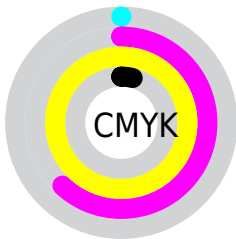
Blue (0%)



Red (96%)

Yellow (59%)

Blue (0%)

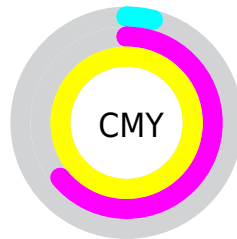


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5705, 27.2412, 3.0671 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 41.5705, 27.2412, 3.0671 by changing the saturation by 10% instead.


 41.5705, 27.2412,
3.0671


 41.5705, 27.2412,
3.0671


343.7214,
288.8231, 137.2107


 28.9548, 17.7545,
1.1290


 76.8184, 55.2707,
11.7936


 19.1907, 10.7738,
0.0000


 100.1813, 74.5822,
19.4190


 11.9130, 5.9150,
0.0000


 127.8573, 97.9374,
29.7773

 6.7562, 2.7934,
0.0000

 160.2118,
125.7208, 43.2870

 3.3551, 1.0249,
0.0000

 197.6101,
158.3166, 60.3667


 1.3442, 0.0000,
0.0000


 240.4176,


 0.2159, 0.0000,


196.1093, 81.4348


0.0000


 288.9995,
239.4834, 106.9100


 0.0000, 0.0000,
0.0000


 41.5705, 27.2412,
3.0671


 41.5705, 27.2412,
3.0671


 41.5707, 27.2421,
3.0672

 43.2107, 30.2497,
4.4534

 45.3441, 33.9016,
7.0602

 48.0512, 38.2520,
11.2425

 51.3845, 43.3419,
17.2143

 55.3893, 49.2084,
25.1560

60.1060, 55.8856,
35.2252

65.5716, 63.4054,
47.5638

71.8201, 71.7977,
62.3009

78.8833, 81.0908,
79.5562

Harmonies

Analogous

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



51.0789, 27.2412, 12.7223



41.5705, 27.2412, 3.0671



29.2869, 27.2412, 1.0349

Triad

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



41.5705, 27.2412, 3.0671



10.1017, 27.2412, 21.2779



34.3063, 27.2412, 129.7459

Complementary

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



41.5705, 27.2412, 3.0671



27.7088, 29.0475, 90.5316

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.



22.7700, 27.2412, 138.9493



41.5705, 27.2412, 3.0671



10.7416, 27.2412, 57.3562

Square

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



41.5705, 27.2412, 3.0671



12.6568, 27.2412, 5.5689



14.7536, 27.2412, 106.3649



46.1258, 27.2412, 86.2605

Rectangle

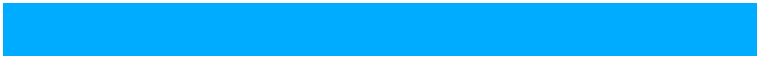
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5705, 27.2412, 3.0671



22.0099, 27.2412, 1.0807



14.7536, 27.2412, 106.3649



30.2056, 27.2412, 137.7686

Sweetspot

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



41.5711, 27.2428, 3.0675



71.7703, 69.3826, 51.9927



43.5864, 21.7846, 32.9921



14.7990, 14.0820, 9.8412



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.



41.5711, 27.2428, 3.0675



45.4965, 29.7730, 3.3488



61.2827, 66.6660, 9.6381



17.0147, 17.5135, 17.2812



22.5182, 14.9220, 1.6934



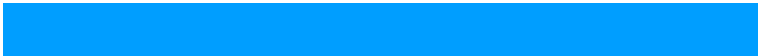
2.0749, 1.5031, 0.1808

Inverse Universe

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



27.7088, 29.0475, 90.5316



30.3105, 31.7411, 99.1368



17.0161, 7.6621, 86.9674



16.4375, 17.6392, 21.0809



15.0650, 15.9237, 48.8176



1.4230, 1.5974, 4.3236

Previews

White Background



This preview shows how the XYZ color 41.5705, 27.2412, 3.0671 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 41.5705, 27.2412, 3.0671 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 41.5705, 27.2412, 3.0671

Background



This preview shows how black text looks on a background with the XYZ color 41.5705, 27.2412, 3.0671.



This preview shows how white text looks on a background with the XYZ color 41.5705, 27.2412,

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

41.5705, 27.2412, 3.0671

Protanopia

24.6959, 27.2922, 4.8860

Deuteranopia

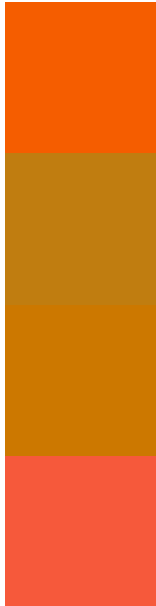
27.6266, 27.3116, 3.8156



Tritanopia

43.6977, 27.3633, 13.1037

Trichromacy



Original Color

41.5705, 27.2412, 3.0671

Protanomaly

29.1654, 25.9111, 3.9544

Deuteranomaly

31.6183, 26.2703, 3.4042

Tritanomaly

42.3678, 27.0534, 7.1265

Monochromacy



Original Color

41.5705, 27.2412, 3.0671

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.4105, 21.5135, 10.6505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5705, 27.2412, 3.0671 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(245, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 93, 0)  
}
```

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(245, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5705, 27.2412, 3.0671 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(245, 93, 0) }
```


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

```
.border{ border-color:rgb(245, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5705, 27.2412, 3.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 93, 0) }
```

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

```
.background{ background-color: rgb(245, 93,  
0) }
```

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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