

Converting Colors

XYZ(45.9240, 28.9582, 4.4485)

Have a look what the booklet for
XYZ(45.9240, 28.9582, 4.4485)
contains.

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Color

**XYZ(45.0597, 28.5037,
4.4232)**

Conversions

Conversions Part 1

Format	Color
Hex	FF591F
RGB	255, 89, 31
RGB Percent	100%, 35%, 12%
CMY	0.0000, 0.6509, 0.8784
CMYK	0.00, 0.65, 0.88, 0.00
HSL	16°, 100%, 56%
HSV	16°, 88%, 100%
XYZ	45.0597, 28.5037, 4.4232
YIQ	132.0220, 117.5540, 17.1540

Conversions

Conversions Part 2

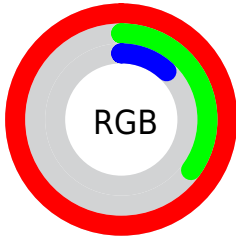
Format	Color
RYB	255, 109, 31
Decimal	16734495
CIELab	60.34, 60.81, 62.87
CIELCh	60, 87.470, 45.953
Yxy	28.5037, 0.5778, 0.3655
Android (android.graphics.Color)	4294924575 (0xFFFF591F)
YUV	132.0220, -49.8038, 107.8517
Hunter-Lab	53.3889, 57.2218, 32.4601

Details

The XYZ color **45.0597, 28.5037, 4.4232** 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 **38.5791, 47.4395, 101.7304**, and the grayscale version is **22.0859, 23.2361, 25.3041**.

A 20% lighter version of the original color is **53.0802, 42.4423, 13.5782**, and **21.2927, 11.4316, 1.0843** is the 20% darker color. If you saturate the color by 10%, you get **43.4672, 25.6666, 2.8212**, and if you desaturate by 10%, it is **47.3186, 32.2559, 7.5382**.

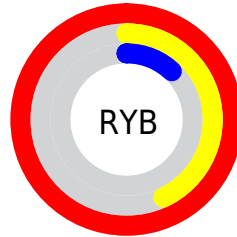
Distribution



Red (100%)

Green (35%)

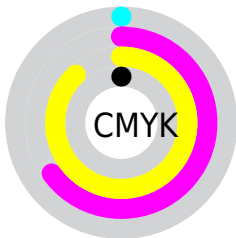
Blue (12%)



Red (100%)

Yellow (43%)

Blue (12%)

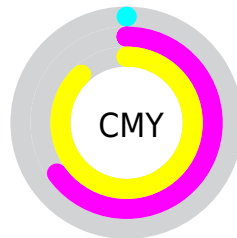


Cyan (0%)

Magenta (65%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0597, 28.5037, 4.4232 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 45.0597, 28.5037, 4.4232 by changing the saturation by 10% instead.


 45.0597, 28.5037,
4.4232


 45.0597, 28.5037,
4.4232


357.7949,
294.8660, 152.8191


 31.7059, 18.7057,
1.8603


 82.0465, 57.2876,
14.9746


 21.2914, 11.4578,
0.4673


 106.4102, 77.0423,
23.8001

 13.4509, 6.3757,
0.0000


 135.1747,
100.8847, 35.5503


 7.8189, 3.0748,
0.0000

 168.7052,
129.1992, 50.6436

 4.0301, 1.1709,
0.0000

 207.3671,
162.3702, 69.4986

 1.7192, 0.0378,
0.0000

 251.5258,

 0.4682, 0.0000,

200.7821, 92.5338

0.0000

301.5466,
244.8192, 120.1678

0.0000, 0.0000,
0.0000

45.0597, 28.5037,
4.4232

45.0597, 28.5037,
4.4232

43.4672, 25.6666,
2.8212

47.3186, 32.2559,
7.5382

43.1901, 25.1606,
2.5801

50.3267, 36.9971,
12.4717

54.1526, 42.7972,
19.4554

58.8558, 49.7180,
28.6856

64.4897, 57.8161,
40.3354

71.1033, 67.1440,
54.5610

78.7421, 77.7513,
71.5052

87.4486, 89.6846,
91.3004

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



53.6261, 28.5037, 16.9470



45.0597, 28.5037, 4.4232



32.6816, 28.5037, 1.3923

Triad

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



45.0597, 28.5037, 4.4232



11.0734, 28.5037, 18.3095



33.4741, 28.5037, 136.6357

Complementary

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



45.0597, 28.5037, 4.4232



38.5791, 47.4395, 101.7304

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.



22.1790, 28.5037, 138.0709



45.0597, 28.5037, 4.4232



11.1761, 28.5037, 51.3363

Square

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



45.0597, 28.5037, 4.4232



14.3412, 28.5037, 4.8321



14.6762, 28.5037, 100.1335



45.7765, 28.5037, 96.9909

Rectangle

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



45.0597, 28.5037, 4.4232



24.9126, 28.5037, 1.2095



14.6762, 28.5037, 100.1335



29.3947, 28.5037, 142.2144

Sweetspot

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



45.0603, 28.5054, 4.4236



72.4327, 69.0010, 57.4745



52.0385, 26.3634, 56.3787



14.9749, 14.0296, 11.1458



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.



45.0603, 28.5054, 4.4236



43.1904, 25.1608, 2.5801



61.9104, 62.2056, 10.0403



18.3917, 18.7517, 18.7944



22.6693, 13.3499, 1.3820



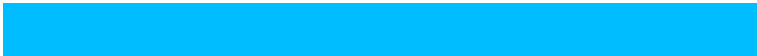
2.2911, 1.4675, 0.1625

Inverse Universe

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



38.5791, 47.4395, 101.7304



36.2395, 43.5990, 101.1132



22.0233, 14.3279, 96.2118



18.1333, 19.6383, 23.0848



19.0632, 23.0359, 52.8762



1.9445, 2.4196, 5.1778

Previews

White Background



This preview shows how the XYZ color 45.0597, 28.5037, 4.4232 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 45.0597, 28.5037, 4.4232 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 45.0597, 28.5037, 4.4232

Background



This preview shows how black text looks on a background with the XYZ color 45.0597, 28.5037, 4.4232.



This preview shows how white text looks on a background with the XYZ color 45.0597, 28.5037,

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

45.0597, 28.5037, 4.4232

Protanopia

25.8568, 28.5338, 6.6274

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

46.2917, 28.4783, 12.5082

Trichromacy



Original Color

45.0597, 28.5037, 4.4232

Protanomaly

30.4816, 26.5562, 5.5268

Deuteranomaly

33.3552, 27.1587, 3.8008

Tritanomaly

45.6112, 28.3329, 8.5337

Monochromacy



Original Color

45.0597, 28.5037, 4.4232

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.4424, 22.6641, 13.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0597, 28.5037, 4.4232 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, 89, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 31)  
}
```

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, 89, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 31) }
```

Border

The CSS property to change the border of an element to XYZ 45.0597, 28.5037, 4.4232 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, 89, 31) }
```


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

```
.border{ border-color:rgb(255, 89, 31) }
```

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

Here you see how a box with a 4 pixel rgb(255, 89, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0597, 28.5037, 4.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 31) }
```

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

```
.background{ background-color: rgb(255, 89,  
31) }
```

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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