

Converting Colors

XYZ(45.2182, 29.4894, 7.4913)

Have a look what the booklet for
XYZ(45.2182, 29.4894, 7.4913)
contains.

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Color

**XYZ(45.1172, 29.3770,
7.4301)**

Conversions

Conversions Part 1

Format	Color
Hex	FC603B
RGB	252, 96, 59
RGB Percent	99%, 38%, 23%
CMY	0.0118, 0.6235, 0.7686
CMYK	0.00, 0.62, 0.77, 0.01
HSL	12°, 97%, 61%
HSV	12°, 77%, 99%
XYZ	45.1172, 29.3770, 7.4301
YIQ	138.4260, 104.8530, 21.5650

Conversions

Conversions Part 2

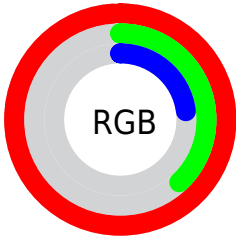
Format	Color
R _Y B	252, 105, 59
Decimal	16539707
CIE Lab	61.11, 57.65, 51.22
CIE LCh	61, 77.122, 41.621
Yxy	29.3770, 0.5507, 0.3586
Android (android.graphics.Color)	4294729787 (0xFFFC603B)
YUV	138.4260, -39.1570, 99.6044
Hunter-Lab	54.2006, 53.7346, 29.8126

Details

The XYZ color **45.1172, 29.3770, 7.4301** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.6723, 56.5542, 100.7091**, and the grayscale version is **24.4388, 25.7115, 27.9998**.

A 20% lighter version of the original color is **55.2286, 44.8206, 20.2084**, and **21.4192, 11.9728, 1.4405** is the 20% darker color. If you saturate the color by 10%, you get **42.9904, 25.9294, 4.2375**, and if you desaturate by 10%, it is **48.0418, 33.9166, 12.4434**.

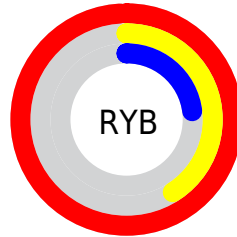
Distribution



Red (99%)

Green (38%)

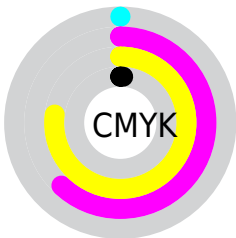
Blue (23%)



Red (99%)

Yellow (41%)

Blue (23%)

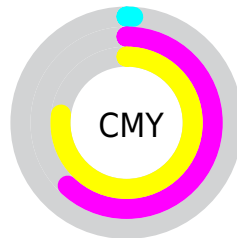


Cyan (0%)

Magenta (62%)

Yellow (77%)

Black (1%)



Cyan (1%)


Magenta (62%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1172, 29.3770, 7.4301 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 45.1172, 29.3770, 7.4301 by changing the saturation by 10% instead.


 45.1172, 29.3770,
7.4301


 45.1172, 29.3770,
7.4301


358.0237,
298.9896, 180.9555

 31.7514, 19.3662,
3.6500


 82.1322, 58.6755,
21.3608

 21.3263, 11.9352,
1.4354


 106.5122, 78.7321,
32.3485

 13.4766, 6.6996,
0.1691


 135.2943,
102.9059, 46.5758

 7.8368, 3.2749,
0.0000

 168.8438,
131.5816, 64.4613

 4.0416, 1.2769,
0.0000

 207.5262,
165.1434, 86.4234

 1.7257, 0.1232,
0.0000

 251.7067,

 0.4723, 0.0000,

203.9757, 112.8808

0.0000

301.7508,
248.4630, 144.2520

■ 0.0000, 0.0000,
0.0000

■ 45.1172, 29.3770,
7.4301

■ 45.1172, 29.3770,
7.4301

■ 42.9904, 25.9294,
4.2375

■ 48.0418, 33.9166,
12.4434

■ 41.5710, 23.4727,
2.5867


■ 51.8361, 39.6271,
19.4983


■ 41.2148, 22.8357,
2.2355


■ 56.5659, 46.5856,
28.7854

■ 62.2897, 54.8610,
40.4729

■ 69.0612, 64.5171,
54.7127

 76.9300, 75.6135,
71.6444

 85.9428, 88.2063,
91.3972

 93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



51.6139, 29.3770, 22.0329



45.1172, 29.3770, 7.4301



34.5093, 29.3770, 2.9055

Triad

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



45.1172, 29.3770, 7.4301



13.2406, 29.3770, 17.4503



32.0230, 29.3770, 123.3537

Complementary

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



45.1172, 29.3770, 7.4301



43.6723, 56.5542, 100.7091

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.



22.2312, 29.3770, 119.2245



45.1172, 29.3770, 7.4301



12.8833, 29.3770, 44.5606

Square

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



45.1172, 29.3770, 7.4301



16.8999, 29.3770, 5.8112



15.7670, 29.3770, 85.0320



42.9231, 29.3770, 94.2496

Rectangle

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



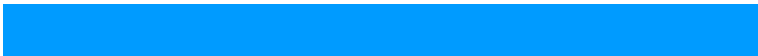
45.1172, 29.3770, 7.4301



27.3757, 29.3770, 2.3726



15.7670, 29.3770, 85.0320



28.4754, 29.3770, 126.1255

Sweetspot

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



45.1179, 29.3787, 7.4306



73.7013, 70.1767, 62.0947



54.1832, 28.8132, 68.0900



15.1784, 14.1764, 12.0158



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.



45.1179, 29.3787, 7.4306



43.2824, 25.1370, 3.2513



59.5394, 58.2218, 12.2378



17.5139, 17.7637, 17.9681



21.5484, 12.0534, 1.1908



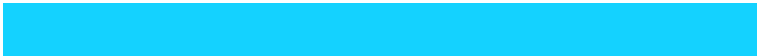
2.0651, 1.2550, 0.1334

Inverse Universe

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



43.6723, 56.5542, 100.7091



41.3967, 53.4730, 102.7472



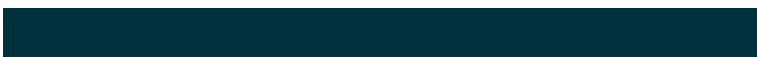
26.1049, 21.4193, 94.8533



17.4664, 19.0096, 22.1339



20.4649, 26.2853, 51.9685



1.9655, 2.5748, 4.8366

Previews

White Background



This preview shows how the XYZ color 45.1172, 29.3770, 7.4301 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 45.1172, 29.3770, 7.4301 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 45.1172, 29.3770, 7.4301

Background



This preview shows how black text looks on a background with the XYZ color 45.1172, 29.3770, 7.4301.



This preview shows how white text looks on a background with the XYZ color 45.1172, 29.3770,

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

45.1172, 29.3770, 7.4301

Protanopia

26.9302, 29.4608, 10.7457

Deuteranopia

29.9192, 29.2839, 6.8717



Tritanopia

46.4068, 29.2279, 14.5049

Trichromacy



Original Color

45.1172, 29.3770, 7.4301

Protanomaly

31.4301, 27.7323, 9.3265

Deuteranomaly

34.1220, 28.2185, 6.8971

Tritanomaly

45.9837, 29.3359, 11.4224

Monochromacy



Original Color

45.1172, 29.3770, 7.4301

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.4337, 24.8538, 17.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1172, 29.3770, 7.4301 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(252, 96, 59)` looks like.

```
.text, #text, p{  
    color:rgb(252, 96, 59)  
}
```

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(252, 96, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 96, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.1172, 29.3770, 7.4301 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(252, 96, 59) }
```


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

```
.border{ border-color:rgb(252, 96, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 96, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 96, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 96, 59);  
box-shadow:4px 4px 4px 4px rgb(252, 96,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1172, 29.3770, 7.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 96, 59) }
```

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

```
.background{ background-color: rgb(252, 96,  
59) }
```

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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