

Converting Colors

XYZ(45.8528, 35.2754, 8.4701)

Have a look what the booklet for
XYZ(45.8528, 35.2754, 8.4701)
contains.

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Color

**XYZ(45.9479, 35.2494,
8.5198)**

Conversions

Conversions Part 1

Format	Color
Hex	F4813B
RGB	244, 129, 59
RGB Percent	96%, 51%, 23%
CMY	0.0431, 0.4941, 0.7686
CMYK	0.00, 0.47, 0.76, 0.04
HSL	23°, 89%, 59%
HSV	23°, 76%, 96%
XYZ	45.9479, 35.2494, 8.5198
YIQ	155.4050, 91.0100, 2.6100

Conversions

Conversions Part 2

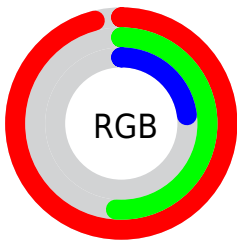
Format	Color
R _Y B	244, 172, 59
Decimal	16023867
CIE Lab	65.94, 39.22, 55.74
CIE LCh	66, 68.150, 54.870
Yxy	35.2494, 0.5121, 0.3929
Android (android.graphics.Color)	4294213947 (0xFFFF4813B)
YUV	155.4050, -47.5277, 77.6978
Hunter-Lab	59.3712, 34.2431, 33.0517

Details

The XYZ color **45.9479, 35.2494, 8.5198** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **33.2676, 37.7312, 91.1167**, and the grayscale version is **31.5124, 33.1535, 36.1042**.

A 20% lighter version of the original color is **60.9880, 56.2528, 22.3953**, and **21.7154, 15.1337, 1.8053** is the 20% darker color. If you saturate the color by 10%, you get **43.6048, 31.3508, 5.3124**, and if you desaturate by 10%, it is **48.8845, 39.8631, 13.3831**.

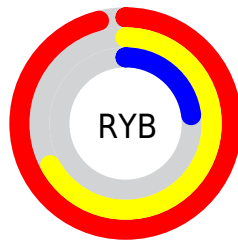
Distribution



Red (96%)

Green (51%)

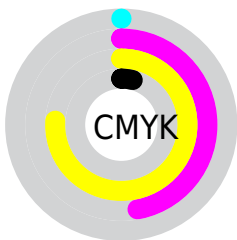
Blue (23%)



Red (96%)

Yellow (67%)

Blue (23%)

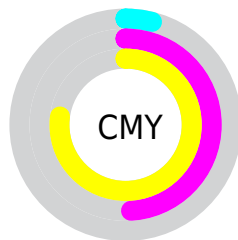


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (4%)



Cyan (4%)


Magenta (49%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9479, 35.2494, 8.5198 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 45.9479, 35.2494, 8.5198 by changing the saturation by 10% instead.


 45.9479, 35.2494,
8.5198


 45.9479, 35.2494,
8.5198


361.3186,
325.6678, 189.8383

 32.4092, 23.8551,
4.3368


 83.3694, 67.8719,
23.5341

 21.8313, 15.2261,
1.8119


 107.9828, 89.8689,
35.2025


 13.8489, 8.9782,
0.4358


 137.0185,
116.1689, 50.2031

 8.0966, 4.7270,
0.0000

 170.8418,
147.1563, 68.9545

 4.2092, 2.0880,
0.0000

 209.8182,
183.2155, 91.8751

 1.8211, 0.6579,
0.0000

 254.3128,

 0.5304, 0.0000,

224.7309, 119.3836

0.0000

304.6912,
272.0869, 151.8985

■ 0.0000, 0.0000,
0.0000

■ 45.9479, 35.2494,
8.5198

■ 45.9479, 35.2494,
8.5198

■ 43.6048, 31.3508,
5.3124

■ 48.8845, 39.8631,
13.3831

■ 41.7949, 28.1174,
3.5173


■ 52.4611, 45.2252,
20.0966


■ 41.1640, 26.9450,
3.0313


■ 56.7210, 51.3731,
28.8289


■ 61.7028, 58.3397,
39.7291

■ 67.4419, 66.1558,
52.9319

 73.9712, 74.8506,
68.5612

 81.3213, 84.4515,
86.7318

 89.5213, 94.9849,
107.5511

 91.1179, 97.9729,
108.7160

Harmonies

Analogous

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



54.3583, 35.2494, 19.4400



45.9479, 35.2494, 8.5198



35.2675, 35.2494, 5.3829

Triad

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



45.9479, 35.2494, 8.5198



17.6620, 35.2494, 33.6259



42.3396, 35.2494, 114.0412

Complementary

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



45.9479, 35.2494, 8.5198



33.2676, 37.7312, 91.1167

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.



31.7993, 35.2494, 124.5336



45.9479, 35.2494, 8.5198



18.8089, 35.2494, 66.7989

Square

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



45.9479, 35.2494, 8.5198



20.0138, 35.2494, 14.4710



23.5371, 35.2494, 104.0826



51.9991, 35.2494, 80.0326

Rectangle

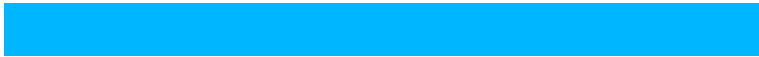
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9479, 35.2494, 8.5198



28.7688, 35.2494, 5.8372



23.5371, 35.2494, 104.0826



38.7311, 35.2494, 120.9785

Sweetspot

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



45.9487, 35.2513, 8.5204



76.4564, 75.6869, 63.0130



46.7250, 25.5023, 43.6208



15.8332, 15.4860, 12.2340



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.



45.9487, 35.2513, 8.5204



47.0525, 32.6384, 4.6279



63.5159, 70.3857, 14.3761



17.0130, 17.5101, 17.2807



22.5041, 14.8937, 1.6887



2.0736, 1.5004, 0.1803

Inverse Universe

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



33.2676, 37.7312, 91.1167



32.2556, 35.1083, 99.6843



21.2774, 13.7508, 87.1200



16.4392, 17.6427, 21.0815



15.0907, 15.9752, 48.8262



1.4251, 1.6017, 4.3243

Previews

White Background



This preview shows how the XYZ color 45.9479, 35.2494, 8.5198 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 45.9479, 35.2494, 8.5198 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9479, 35.2494, 8.5198

Background



This preview shows how black text looks on a background with the XYZ color 45.9479, 35.2494, 8.5198.



This preview shows how white text looks on a background with the XYZ color 45.9479, 35.2494,

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

45.9479, 35.2494, 8.5198

Protanopia

32.3787, 35.4908, 10.6127

Deuteranopia

36.0985, 35.4479, 8.1883



Tritanopia

49.5780, 35.2429, 25.3086

Trichromacy



Original Color

45.9479, 35.2494, 8.5198

Protanomaly

36.3302, 34.5731, 9.7595

Deuteranomaly

39.2781, 34.9741, 8.2949

Tritanomaly

48.0641, 35.1889, 17.3556

Monochromacy



Original Color

45.9479, 35.2494, 8.5198

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.1626, 32.4786, 22.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9479, 35.2494, 8.5198 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(244, 129, 59)` looks like.

```
.text, #text, p{  
    color:rgb(244, 129, 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(244, 129, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 129, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.9479, 35.2494, 8.5198 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(244, 129, 59) }
```


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

```
.border{ border-color:rgb(244, 129, 59) }
```

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

Here you see how a box with a 4 pixel rgb(244, 129, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 129, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 129, 59);  
box-shadow:4px 4px 4px 4px rgb(244, 129,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9479, 35.2494, 8.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 129, 59) }
```

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

```
.background{ background-color: rgb(244,  
129, 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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