

Converting Colors

XYZ(15.9999, 11.5353, 4.0430)

Have a look what the booklet for
XYZ(15.9999, 11.5353, 4.0430)
contains.

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Color

**XYZ(16.0928, 11.5817,
4.0766)**

Conversions

Conversions Part 1

Format	Color
Hex	9A472F
RGB	154, 71, 47
RGB Percent	60%, 28%, 18%
CMY	0.3961, 0.7216, 0.8157
CMYK	0.00, 0.54, 0.69, 0.40
HSL	13°, 53%, 39%
HSV	13°, 69%, 60%
XYZ	16.0928, 11.5817, 4.0766
YIQ	93.0810, 57.1720, 10.1320

Conversions

Conversions Part 2

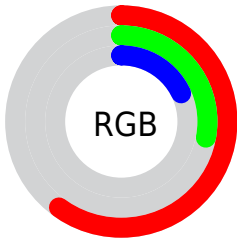
Format	Color
R_{YB}	154, 78, 47
Decimal	10110767
CIE Lab	40.54, 32.89, 30.58
CIE LCh	41, 44.909, 42.918
Yxy	11.5817, 0.5068, 0.3648
Android (android.graphics.Color)	4288300847 (0xFF9A472F)
YUV	93.0810, -22.7179, 53.4260
Hunter-Lab	34.0319, 24.8522, 16.7201

Details

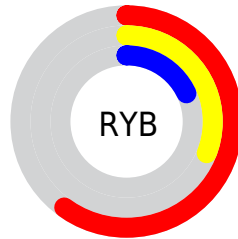
The XYZ color **16.0928, 11.5817, 4.0766** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9872, 18.9017, 33.4304**, and the grayscale version is **10.4658, 11.0108, 11.9907**.

A 20% lighter version of the original color is **36.4205, 28.8734, 14.2432**, and **5.2167, 3.1152, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **15.1488, 10.1062, 2.4905**, and if you desaturate by 10%, it is **17.2964, 13.4011, 6.2903**.

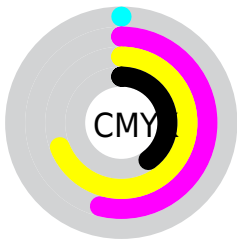
Distribution



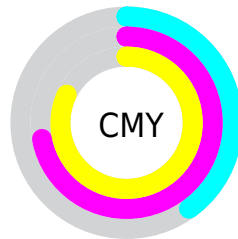
- Red (60%)
- Green (28%)
- Blue (18%)



- Red (60%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (54%)
- Yellow (69%)
- Black (40%)





- Cyan (40%)
- Magenta (72%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0928, 11.5817, 4.0766 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 16.0928, 11.5817, 4.0766 by changing the saturation by 10% instead.


 16.0928, 11.5817,
4.0766


 16.0928, 11.5817,
4.0766


223.1483,
201.6160, 149.0730


 9.6811, 6.4595,
1.6675


 36.3154, 28.7309,
14.1860


 5.2487, 3.1265,
0.3383

 50.8570, 41.5268,
22.7234


 2.4301, 1.1981,
0.0000

 68.8393, 57.6493,
34.1406

 0.8602, 0.0602,
0.0000

 90.6276, 77.4829,
48.8562

 0.0000, 0.0000,
0.0000

 116.5873,
101.4120, 67.2887

 147.0837,

129.8209, 89.8566

182.4823,
163.0942, 116.9786

■ 16.0928, 11.5817,
4.0766

■ 16.0928, 11.5817,
4.0766

■ 15.1488, 10.1062,
2.4905

■ 17.2964, 13.4011,
6.2903

■ 14.4426, 8.9502,
1.4645

■ 18.7772, 15.5827,
9.1884

■ 13.9368, 8.0838,
0.8488

■ 20.5522, 18.1460,
12.8219

■ 13.9143, 8.0457,
0.8196

■ 22.6366, 21.1082,
17.2367

■ 25.0447, 24.4856,
22.4752

■ 27.7898, 28.2936,
28.5764

■ 30.8845, 32.5466,
35.5770

■ 34.3405, 37.2587,
43.5115

■ 38.1693, 42.4429,
52.4126

Harmonies

Analogous

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



18.0682, 11.5817, 9.1019



16.0928, 11.5817, 4.0766



12.8940, 11.5817, 2.2106

Triad

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



16.0928, 11.5817, 4.0766



6.1557, 11.5817, 8.1528



12.4253, 11.5817, 38.3653

Complementary

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



16.0928, 11.5817, 4.0766



14.9872, 18.9017, 33.4304

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.



9.3156, 11.5817, 37.6813



16.0928, 11.5817, 4.0766



6.0784, 11.5817, 16.9215

Square

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



16.0928, 11.5817, 4.0766



7.3625, 11.5817, 3.6692



7.1260, 11.5817, 28.5896



15.6934, 11.5817, 30.1628

Rectangle

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



16.0928, 11.5817, 4.0766



10.7012, 11.5817, 1.9850



7.1260, 11.5817, 28.5896



11.3208, 11.5817, 39.2507

Sweetspot

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



16.0931, 11.5823, 4.0768



44.5995, 43.2289, 38.8605



18.4273, 10.5368, 22.4703



9.8354, 9.4215, 8.2291



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0931, 11.5823, 4.0768



26.8025, 17.2002, 3.4394



21.0076, 21.4114, 5.7150



6.3156, 6.4364, 6.5153



11.3596, 6.6015, 0.6755



0.1934, 0.1458, 0.0179

Inverse Universe

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



14.9872, 18.9017, 33.4304



24.5282, 31.1120, 60.2487



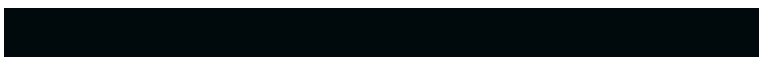
9.6812, 8.2897, 31.6617



6.2670, 6.7914, 7.9095



10.1980, 12.7926, 26.8394



0.1784, 0.2431, 0.4099

Previews

White Background



This preview shows how the XYZ color 16.0928, 11.5817, 4.0766 looks on a white 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

Black Background



This preview shows how the XYZ color 16.0928, 11.5817, 4.0766 looks on a black 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

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

XYZ 16.0928, 11.5817, 4.0766

Background



This preview shows how black text looks on a background with the XYZ color 16.0928, 11.5817, 4.0766.



This preview shows how white text looks on a background with the XYZ color 16.0928, 11.5817,

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

16.0928, 11.5817, 4.0766

Protanopia

10.8405, 11.7154, 5.4313

Deuteranopia

11.8709, 11.7506, 3.9279



Tritanopia

16.7544, 11.5707, 7.4812

Trichromacy



Original Color

16.0928, 11.5817, 4.0766

Protanomaly

12.2192, 11.2844, 4.9022

Deuteranomaly

13.1407, 11.4280, 3.8961

Tritanomaly

16.5429, 11.5837, 6.0666

Monochromacy



Original Color

16.0928, 11.5817, 4.0766

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.6232, 10.6636, 8.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0928, 11.5817, 4.0766 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(154, 71, 47)` looks like.

```
.text, #text, p{  
    color:rgb(154, 71, 47)  
}
```

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(154, 71, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 71, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.0928, 11.5817, 4.0766 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(154, 71, 47) }
```


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

```
.border{ border-color:rgb(154, 71, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 71, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 71, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 71, 47);  
box-shadow:4px 4px 4px 4px rgb(154, 71,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0928, 11.5817, 4.0766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 71, 47) }
```

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

```
.background{ background-color: rgb(154, 71,  
47) }
```

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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