

Converting Colors

XYZ(16.0336, 11.6098, 4.5278)

Have a look what the booklet for
XYZ(16.0336, 11.6098, 4.5278)
contains.

XYZ(16.0518, 11.6461, 4.5339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.0518, 11.6461,
4.5339)**

Conversions

Conversions Part 1

Format	Color
Hex	994833
RGB	153, 72, 51
RGB Percent	60%, 28%, 20%
CMY	0.4000, 0.7176, 0.8000
CMYK	0.00, 0.53, 0.67, 0.40
HSL	12°, 50%, 40%
HSV	12°, 67%, 60%
XYZ	16.0518, 11.6461, 4.5339
YIQ	93.8250, 55.0170, 10.6410

Conversions

Conversions Part 2

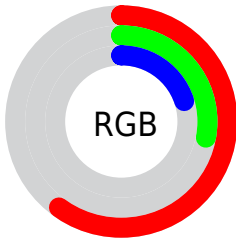
Format	Color
RYB	153, 77, 51
Decimal	10045491
CIELab	40.65, 32.20, 28.35
CIElCh	41, 42.902, 41.357
Yxy	11.6461, 0.4980, 0.3613
Android (android.graphics.Color)	4288235571 (0xFF994833)
YUV	93.8250, -21.1127, 51.8965
Hunter-Lab	34.1264, 24.2387, 16.0114

Details

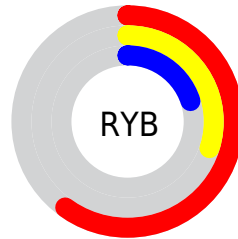
The XYZ color **16.0518, 11.6461, 4.5339** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.3656, 19.5049, 33.0918**, and the grayscale version is **10.6376, 11.1916, 12.1876**.

A 20% lighter version of the original color is **36.3155, 28.7980, 15.1998**, and **5.2690, 3.1673, 0.5059** is the 20% darker color. If you saturate the color by 10%, you get **15.0590, 10.1145, 2.8038**, and if you desaturate by 10%, it is **17.3114, 13.5339, 6.9008**.

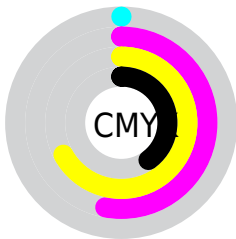
Distribution



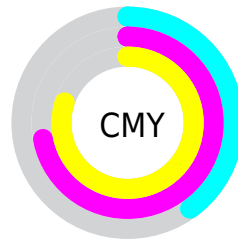
- Red (60%)
- Green (28%)
- Blue (20%)



- Red (60%)
- Yellow (30%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (72%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0518, 11.6461, 4.5339 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 16.0518, 11.6461, 4.5339 by changing the saturation by 10% instead.


 16.0518, 11.6461,
4.5339


 16.0518, 11.6461,
4.5339


222.9116,
202.0481, 153.9867


 9.6519, 6.5032,
1.9226


 36.2448, 28.8489,
15.2235


 5.2293, 3.1534,
0.5070

 50.7687, 41.6775,
24.1388


 2.4185, 1.2123,
0.0000

 68.7312, 57.8369,
35.9926

 0.8544, 0.0717,
0.0000

 90.4978, 77.7114,
51.2033

 0.0000, 0.0000,
0.0000

 116.4337,
101.6853, 70.1896

 146.9044,

130.1432, 93.3698

182.2753,
163.4693, 121.1627

■ 16.0518, 11.6461,
4.5339

■ 16.0518, 11.6461,
4.5339

■ 15.0590, 10.1145,
2.8038

■ 17.3114, 13.5339,
6.9008

■ 14.3117, 8.9142,
1.6470

■ 18.8553, 15.7967,
9.9586

■ 13.7823, 8.0186,
0.9678

■ 20.7003, 18.4545,
13.7561

■ 13.6401, 7.7789,
0.7826

■ 22.8618, 21.5249,
18.3377

■ 25.3539, 25.0248,
23.7442

■ 28.1899, 28.9700,
30.0136

■ 31.3825, 33.3753,
37.1813

■ 34.9436, 38.2552,
45.2811

■ 38.8845, 43.6232,
54.3446

Harmonies

Analogous

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



17.8317, 11.6461, 9.6663



16.0518, 11.6461, 4.5339



13.0411, 11.6461, 2.5230

Triad

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



16.0518, 11.6461, 4.5339



6.4100, 11.6461, 8.0539



12.2585, 11.6461, 37.1318

Complementary

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



16.0518, 11.6461, 4.5339



15.3656, 19.5049, 33.0918

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.



9.3069, 11.6461, 36.0184



16.0518, 11.6461, 4.5339



6.2776, 11.6461, 16.2642

Square

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



16.0518, 11.6461, 4.5339



7.6442, 11.6461, 3.8189



7.2419, 11.6461, 27.2367



15.3895, 11.6461, 29.8133

Rectangle

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



16.0518, 11.6461, 4.5339



10.9316, 11.6461, 2.2373



7.2419, 11.6461, 27.2367



11.2081, 11.6461, 37.7959

Sweetspot

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



16.0521, 11.6467, 4.5341



43.6710, 42.3876, 38.7354



18.5267, 10.8224, 23.1581



9.3901, 9.0045, 8.0047



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.0521, 11.6467, 4.5341



26.2588, 16.9860, 3.8825



20.7431, 21.0288, 6.0978



6.3068, 6.4186, 6.5124



11.2939, 6.4701, 0.6536



0.1908, 0.1407, 0.0171

Inverse Universe

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



15.3656, 19.5049, 33.0918



24.8241, 31.8863, 58.8183



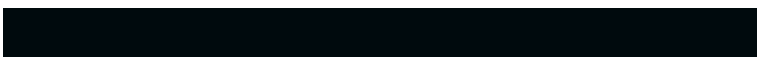
10.1023, 8.9783, 31.3373



6.2765, 6.8105, 7.9127



10.4768, 13.3503, 26.9324



0.1809, 0.2482, 0.4107

Previews

White Background



This preview shows how the XYZ color 16.0518, 11.6461, 4.5339 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 16.0518, 11.6461, 4.5339 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 16.0518, 11.6461, 4.5339

Background



This preview shows how black text looks on a background with the XYZ color 16.0518, 11.6461, 4.5339.



This preview shows how white text looks on a background with the XYZ color 16.0518, 11.6461,

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

16.0518, 11.6461, 4.5339

Protanopia

10.9160, 11.8789, 5.9925

Deuteranopia

11.9480, 11.7815, 4.3336



Tritanopia

16.6906, 11.6207, 7.8419

Trichromacy



Original Color

16.0518, 11.6461, 4.5339

Protanomaly

12.2543, 11.4124, 5.4278

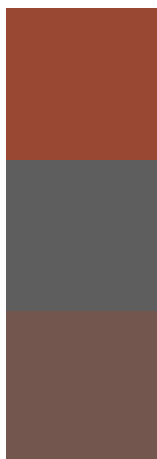
Deuteranomaly

13.1421, 11.5357, 4.3303

Tritanomaly

16.5000, 11.6437, 6.5321

Monochromacy



Original Color

16.0518, 11.6461, 4.5339

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.7732, 10.8505, 8.6816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0518, 11.6461, 4.5339 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(153, 72, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 72, 51)  
}
```

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(153, 72, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 72, 51) }
```

Border

The CSS property to change the border of an element to XYZ 16.0518, 11.6461, 4.5339 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(153, 72, 51) }
```


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

```
.border{ border-color:rgb(153, 72, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 72, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 72, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 72, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 72,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0518, 11.6461, 4.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 72, 51) }
```

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

```
.background{ background-color: rgb(153, 72,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor