

Converting Colors

XYZ(16.6711, 11.4604, 6.3344)

Have a look what the booklet for
XYZ(16.6711, 11.4604, 6.3344)
contains.

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Color

**XYZ(16.6716, 11.4639,
6.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4341
RGB	156, 67, 65
RGB Percent	61%, 26%, 25%
CMY	0.3882, 0.7372, 0.7451
CMYK	0.00, 0.57, 0.58, 0.39
HSL	1°, 41%, 43%
HSV	1°, 58%, 61%
XYZ	16.6716, 11.4639, 6.3351
YIQ	93.3830, 53.6860, 18.2460

Conversions

Conversions Part 2

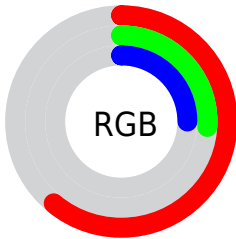
Format	Color
R_{YB}	156, 67, 65
Decimal	10240833
CIE Lab	40.35, 36.99, 19.66
CIE LCh	40, 41.893, 27.985
Yxy	11.4639, 0.4836, 0.3326
Android (android.graphics.Color)	4288430913 (0xFF9C4341)
YUV	93.3830, -13.9928, 54.9151
Hunter-Lab	33.8584, 28.6398, 12.6074

Details

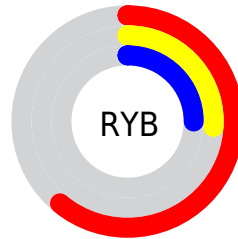
The XYZ color **16.6716, 11.4639, 6.3351** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.7355, 26.6336, 35.5530**, and the grayscale version is **10.5174, 11.0652, 12.0500**.

A 20% lighter version of the original color is **37.1906, 28.4453, 19.1531**, and **5.5712, 3.1089, 1.0655** is the 20% darker color. If you saturate the color by 10%, you get **15.4899, 9.7267, 4.0113**, and if you desaturate by 10%, it is **18.2176, 13.7301, 9.3963**.

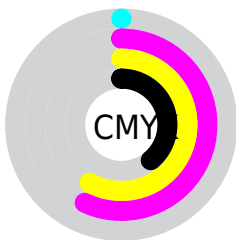
Distribution



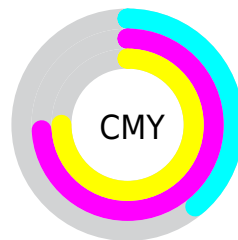
- Red (61%)
- Green (26%)
- Blue (25%)



- Red (61%)
- Yellow (26%)
- Blue (25%)



- Cyan (0%)
- Magenta (57%)
- Yellow (58%)
- Black (39%)





- Cyan (39%)
- Magenta (74%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6716, 11.4639, 6.3351 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 16.6716, 11.4639, 6.3351 by changing the saturation by 10% instead.


 16.6716, 11.4639,
6.3351


 16.6716, 11.4639,
6.3351


226.4661,
200.8231, 171.4342


 10.0945, 6.3798,
2.9778


 37.3084, 28.5149,
19.1121


 5.5244, 3.0774,
1.0833

 52.0987, 41.2505,
29.3689


 2.5960, 1.1723,
0.0000

 70.3576, 57.3054,
42.7627

 0.9439, 0.0389,
0.0000

 92.4502, 77.0640,
59.7119

 0.0000, 0.0000,
0.0000

 118.7420,
100.9107, 80.6351

 149.5984,

129.2298, 105.9509

185.3846,
162.4058, 136.0777

■ 16.6716, 11.4639,
6.3351

■ 16.6716, 11.4639,
6.3351

■ 15.4899, 9.7267,
4.0113

■ 18.2176, 13.7301,
9.3963

■ 14.6420, 8.4740,
2.3623

■ 20.1535, 16.5616,
13.2493

■ 14.0936, 7.6573,
1.3161

■ 22.5038, 19.9933,
17.9441

■ 13.7894, 7.2034,
0.7383

■ 25.2903, 24.0570,
23.5263

■ 13.7475, 7.1425,
0.6541

■ 28.5338, 28.7823,
30.0384

■ 32.2533, 34.1967,
37.5201

■ 36.4671, 40.3264,
46.0087

■ 41.1923, 47.1960,
55.5396

■ 46.4452, 54.8292,
66.1465

Harmonies

Analogous

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



17.5576, 11.4639, 13.0585



16.6716, 11.4639, 6.3351



14.1666, 11.4639, 3.1868

Triad

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



16.6716, 11.4639, 6.3351



6.7806, 11.4639, 5.7299



10.6991, 11.4639, 36.5716

Complementary

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



16.6716, 11.4639, 6.3351



19.7355, 26.6336, 35.5530

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.



8.1722, 11.4639, 31.7889



16.6716, 11.4639, 6.3351



6.1770, 11.4639, 11.9232

Square

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



16.6716, 11.4639, 6.3351



8.4588, 11.4639, 2.9638



6.6372, 11.4639, 21.6955



13.7616, 11.4639, 32.8593

Rectangle

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



16.6716, 11.4639, 6.3351



12.1123, 11.4639, 2.4135



6.6372, 11.4639, 21.6955



9.7641, 11.4639, 35.8723

Sweetspot

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



16.6719, 11.4645, 6.3353



46.4839, 44.4950, 43.8322



21.4736, 13.1978, 32.1988



10.0083, 9.4700, 9.2035



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.



16.6719, 11.4645, 6.3353



27.6025, 16.8824, 6.2470



20.4604, 19.0416, 7.5981



6.6442, 6.6684, 6.9226



11.3272, 5.8901, 0.5399



0.2056, 0.1114, 0.0107

Inverse Universe

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



19.7355, 26.6336, 35.5530



33.6885, 47.0632, 64.4353



13.6476, 14.4579, 33.5237



6.8093, 7.4844, 8.4924



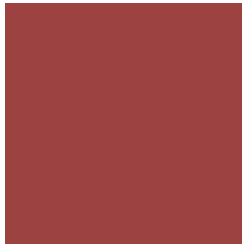
14.2704, 20.6323, 29.1375



0.2587, 0.3760, 0.5222

Previews

White Background



This preview shows how the XYZ color 16.6716, 11.4639, 6.3351 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 16.6716, 11.4639, 6.3351 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 16.6716, 11.4639, 6.3351

Background



This preview shows how black text looks on a background with the XYZ color 16.6716, 11.4639, 6.3351.

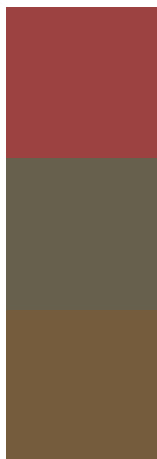


This preview shows how white text looks on a background with the XYZ color 16.6716, 11.4639,

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

16.6716, 11.4639, 6.3351

Protanopia

11.0019, 11.7263, 8.7047

Deuteranopia

11.8719, 11.7042, 6.0483



Tritanopia

16.7958, 11.4193, 7.2801

Trichromacy



Original Color

16.6716, 11.4639, 6.3351

Protanomaly

12.4771, 11.1156, 7.7912

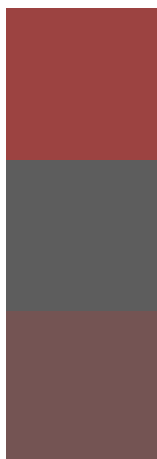
Deuteranomaly

13.3228, 11.3596, 6.0479

Tritanomaly

16.7327, 11.3940, 6.9476

Monochromacy



Original Color

16.6716, 11.4639, 6.3351

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.9341, 10.6782, 9.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6716, 11.4639, 6.3351 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(156, 67, 65)` looks like.

```
.text, #text, p{  
    color:rgb(156, 67, 65)  
}
```

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(156, 67, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 67, 65) }
```

Border

The CSS property to change the border of an element to XYZ 16.6716, 11.4639, 6.3351 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(156, 67, 65) }
```


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

```
.border{ border-color:rgb(156, 67, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 67, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 67, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 67, 65);  
box-shadow:4px 4px 4px 4px rgb(156, 67,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6716, 11.4639, 6.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 67, 65) }
```

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

```
.background{ background-color: rgb(156, 67,  
65) }
```

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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