

Converting Colors

XYZ(16.6171, 11.1209, 1.4339)

Have a look what the booklet for
XYZ(16.6171, 11.1209, 1.4339)
contains.

XYZ(16.6558, 11.1398, 1.4446)	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(16.6558, 11.1398,
1.4446)**

Conversions

Conversions Part 1

Format	Color
Hex	A23E06
RGB	162, 62, 6
RGB Percent	64%, 24%, 2%
CMY	0.3647, 0.7568, 0.9765
CMYK	0.00, 0.62, 0.96, 0.36
HSL	22°, 93%, 33%
HSV	22°, 96%, 64%
XYZ	16.6558, 11.1398, 1.4446
YIQ	85.5160, 77.5760, 3.7840

Conversions

Conversions Part 2

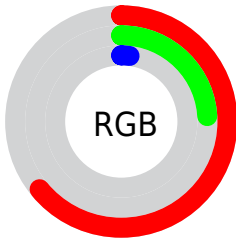
Format	Color
R_{YB}	162, 93, 6
Decimal	10632710
CIE _{Lab}	39.81, 39.22, 48.89
CIE _{LCh}	40, 62.672, 51.263
Yxy	11.1398, 0.5696, 0.3810
Android (android.graphics.Color)	4288822790 (0xFFA23E06)
YUV	85.5160, -39.2014, 67.0765
Hunter-Lab	33.3763, 30.6683, 20.7972

Details

The XYZ color **16.6558, 11.1398, 1.4446** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.7501, 12.9542, 36.0633**, and the grayscale version is **8.8121, 9.2711, 10.0962**.

A 20% lighter version of the original color is **37.4093, 27.9630, 7.4287**, and **5.5446, 2.9550, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **16.4213, 10.7236, 1.2044**, and if you desaturate by 10%, it is **17.3896, 12.4254, 2.2511**.

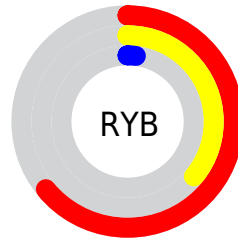
Distribution



Red (64%)

Green (24%)

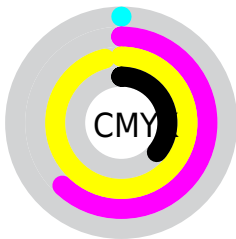
Blue (2%)



Red (64%)

Yellow (36%)

Blue (2%)

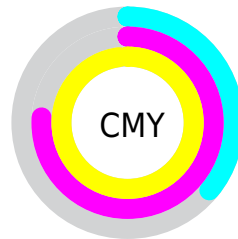


Cyan (0%)

Magenta (62%)

Yellow (96%)

Black (36%)



Cyan (36%)


Magenta (76%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6558, 11.1398, 1.4446 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 16.6558, 11.1398, 1.4446 by changing the saturation by 10% instead.


 16.6558, 11.1398,
1.4446


 16.6558, 11.1398,
1.4446


 226.3761,
198.6242, 113.0499


 10.0832, 6.1609,
0.1761


 37.2813, 27.9184,
7.4577


 5.5168, 2.9432,
0.0000

 52.0650, 40.4869,
13.2346

 2.5914, 1.1021,
0.0000

 70.3163, 56.3541,
21.4165

 0.9416, 0.0000,
0.0000


 92.4007, 75.9044,
32.4220


 0.0000, 0.0000,
0.0000


 118.6835, 99.5222,
46.6695


 149.5301,


127.5918, 64.5776


 185.3059,
160.4976, 86.5649


 16.6558, 11.1398,
1.4446


 16.6558, 11.1398,
1.4446


 16.4213, 10.7236,
1.2044

 17.3896, 12.4254,
2.2511

 18.3326, 13.9759,
3.5992

 19.5085, 15.8099,
5.5879

 20.9355, 17.9425,
8.2876

 22.6295, 20.3875,
11.7595

■ 24.6051, 23.1578,
16.0580

■ 26.8755, 26.2656,
21.2325

■ 29.4531, 29.7223,
27.3287

■ 32.3498, 33.5386,
34.3888

Harmonies

Analogous

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



20.3230, 11.1398, 5.4053



16.6558, 11.1398, 1.4446



11.8954, 11.1398, 0.4685

Triad

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



16.6558, 11.1398, 1.4446



4.3345, 11.1398, 8.8739



13.8812, 11.1398, 50.3295

Complementary

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



16.6558, 11.1398, 1.4446



11.7501, 12.9542, 36.0633

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.



9.3802, 11.1398, 53.8646



16.6558, 11.1398, 1.4446



4.5973, 11.1398, 22.9127

Square

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



16.6558, 11.1398, 1.4446



5.3563, 11.1398, 2.5226



6.2084, 11.1398, 41.5946



18.4428, 11.1398, 33.8224

Rectangle

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



16.6558, 11.1398, 1.4446



9.0528, 11.1398, 0.5021



6.2084, 11.1398, 41.5946



12.2878, 11.1398, 53.3761

Sweetspot

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



16.6560, 11.1404, 1.4448



47.3886, 45.7780, 35.3073



17.6403, 8.8816, 14.8051



10.2676, 9.7670, 7.0749



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.6560, 11.1404, 1.4448



29.6340, 19.1119, 2.1271



24.1078, 26.0440, 3.9287



7.2722, 7.4828, 7.4411



12.9750, 8.5239, 0.9614



0.3162, 0.2663, 0.0347

Inverse Universe

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



11.7501, 12.9542, 36.0633



20.5966, 22.2499, 65.2652



7.0459, 3.5458, 34.4952



7.0612, 7.5814, 8.9943



9.0669, 9.9133, 28.3654



0.2328, 0.2928, 0.6101

Previews

White Background



This preview shows how the XYZ color 16.6558, 11.1398, 1.4446 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 16.6558, 11.1398, 1.4446 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 16.6558, 11.1398, 1.4446

Background



This preview shows how black text looks on a background with the XYZ color 16.6558, 11.1398, 1.4446.



This preview shows how white text looks on a background with the XYZ color 16.6558, 11.1398,

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

16.6558, 11.1398, 1.4446

Protanopia

10.2568, 11.3507, 2.1806

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

17.4596, 11.1496, 5.6467

Trichromacy



Original Color

16.6558, 11.1398, 1.4446

Protanomaly

11.9183, 10.7276, 1.8232

Deuteranomaly

12.8713, 10.8926, 1.4815

Tritanomaly

17.0685, 11.0746, 3.3358

Monochromacy



Original Color

16.6558, 11.1398, 1.4446

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.3318, 9.1806, 5.0984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6558, 11.1398, 1.4446 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(162, 62, 6)` looks like.

```
.text, #text, p{  
    color:rgb(162, 62, 6)  
}
```

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(162, 62, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 62, 6) }
```

Border

The CSS property to change the border of an element to XYZ 16.6558, 11.1398, 1.4446 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(162, 62, 6) }
```


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

```
.border{ border-color:rgb(162, 62, 6) }
```

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

Here you see how a box with a 4 pixel rgb(162, 62, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 62, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 62, 6);  
box-shadow:4px 4px 4px 4px rgb(162, 62, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6558, 11.1398, 1.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 62, 6) }
```

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

```
.background{ background-color: rgb(162, 62,  
6) }
```

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