

Converting Colors

XYZ(16.2861, 8.3873, 1.1469)

Have a look what the booklet for
XYZ(16.2861, 8.3873, 1.1469)
contains.

XYZ(16.2211, 8.3539, 1.1383)	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(16.2211, 8.3539,
1.1383)**

Conversions

Conversions Part 1

Format	Color
Hex	A8000D
RGB	168, 0, 13
RGB Percent	66%, 0%, 5%
CMY	0.3412, 0.9999, 0.9490
CMYK	0.00, 1.00, 0.92, 0.34
HSL	355°, 100%, 33%
HSV	355°, 100%, 66%
XYZ	16.2211, 8.3539, 1.1383
YIQ	51.7140, 95.9550, 39.6590

Conversions

Conversions Part 2

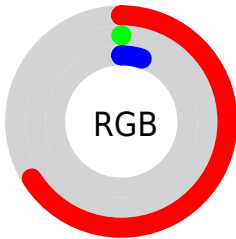
Format	Color
RYB	168, 0, 13
Decimal	11010061
CIELab	34.71, 58.77, 43.70
CIElCh	35, 73.234, 36.633
Yxy	8.3539, 0.6308, 0.3249
Android (android.graphics.Color)	4289200141 (0xFFA8000D)
YUV	51.7140, -19.0860, 101.9828
Hunter-Lab	28.9031, 49.5979, 17.8971

Details

The XYZ color **16.2211, 8.3539, 1.1383** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.9215, 30.3727, 35.8347**, and the grayscale version is **3.2458, 3.4149, 3.7188**.

A 20% lighter version of the original color is **36.6963, 22.7690, 6.4637**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.2208, 8.3538, 1.1374**, and if you desaturate by 10%, it is **16.5618, 8.8066, 1.9574**.

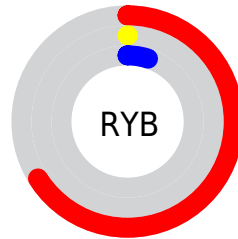
Distribution



Red (66%)

Green (0%)

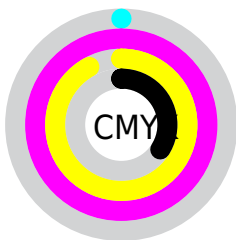
Blue (5%)



Red (66%)

Yellow (0%)

Blue (5%)

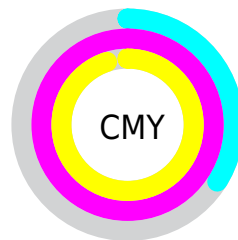


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (34%)



Cyan (34%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2211, 8.3539, 1.1383 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 16.2211, 8.3539, 1.1383 by changing the saturation by 10% instead.


 16.2211, 8.3539,
1.1383


 16.2211, 8.3539,
1.1383


 223.8877,
178.4821, 107.1028


 9.7726, 4.3222,
0.0000


 36.5360, 22.6494,
6.5122


 5.3095, 1.8554,
0.0000

 51.1330, 33.6819,
11.8379


 2.4666, 0.5214,
0.0000

 69.1770, 47.8169,
19.4809

 0.8785, 0.0000,
0.0000


 91.0332, 65.4387,
29.8596


 0.0000, 0.0000,
0.0000


 117.0670, 86.9318,
43.3926


 147.6438,


112.6804, 60.4984


 183.1289,
143.0690, 81.5957


 16.2211, 8.3539,
1.1383


 16.2211, 8.3539,
1.1383


 16.2208, 8.3538,
1.1374

 16.5618, 8.8066,
1.9574

 17.1645, 9.6296,
3.3375

 18.1100, 10.9638,
5.3689

 19.4394, 12.8744,
8.1190

 21.1882, 15.4167,
11.6468

■ 23.3876, 18.6397,
16.0051

■ 26.0661, 22.5874,
21.2422

■ 29.2495, 27.3002,
27.4025

■ 32.9621, 32.8156,
34.5276

Harmonies

Analogous

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



18.7989, 8.3539, 6.7029



16.2211, 8.3539, 1.1383



11.5448, 8.3539, 0.0000

Triad

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



16.2211, 8.3539, 1.1383



2.6360, 8.3539, 2.7086



8.8982, 8.3539, 55.9301

Complementary

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



16.2211, 8.3539, 1.1383



19.9215, 30.3727, 35.8347

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.



5.1767, 8.3539, 50.3484



16.2211, 8.3539, 1.1383



2.3582, 8.3539, 12.0000

Square

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



16.2211, 8.3539, 1.1383



4.0665, 8.3539, 0.0752



3.1032, 8.3539, 30.6872



13.7179, 8.3539, 42.5301

Rectangle

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



16.2211, 8.3539, 1.1383



8.4181, 8.3539, 0.0000



3.1032, 8.3539, 30.6872



7.4806, 8.3539, 56.3121

Sweetspot

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



16.2213, 8.3544, 1.1384



47.0012, 40.5454, 37.9639



20.3949, 9.6979, 37.8424



9.7982, 8.1790, 7.4047



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.2213, 8.3544, 1.1384



29.4044, 15.1469, 1.9016



18.3396, 12.7072, 1.4869



7.5538, 7.5514, 7.9673



12.2575, 6.3117, 0.9018



0.3053, 0.1564, 0.0593

Inverse Universe

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



16.2213, 8.3544, 1.1384



29.4044, 15.1469, 1.9016



11.4369, 11.5648, 38.6749



7.5538, 7.5514, 7.9673



12.2575, 6.3117, 0.9018



0.3053, 0.1564, 0.0593

Previews

White Background



This preview shows how the XYZ color 16.2211, 8.3539, 1.1383 looks on a white background.

Color Contrast Check

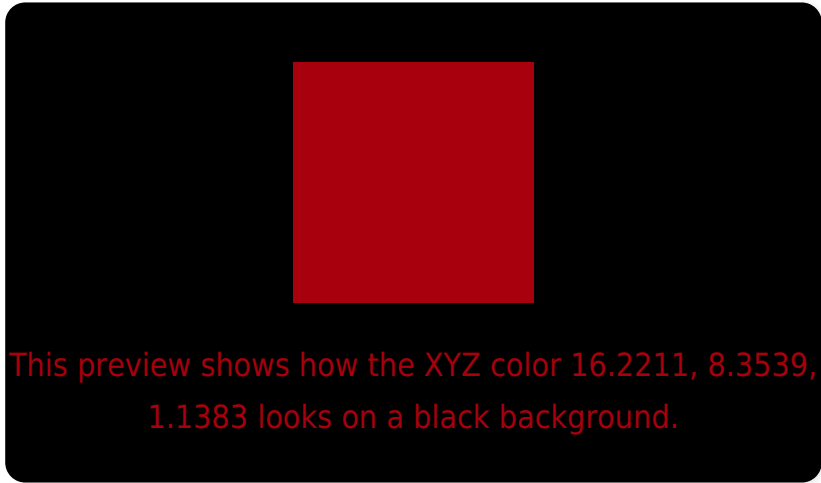
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

XYZ 16.2211, 8.3539, 1.1383

Background



This preview shows how black text looks on a background with the XYZ color 16.2211, 8.3539, 1.1383.



This preview shows how white text looks on a background with the XYZ color 16.2211, 8.3539,

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

16.2211, 8.3539, 1.1383

Protanopia

8.1774, 9.0137, 2.4074

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

16.1072, 8.5571, 0.8028

Trichromacy



Original Color

16.2211, 8.3539, 1.1383

Protanomaly

9.4999, 6.8378, 1.6297

Deuteranomaly

10.3086, 7.1341, 0.9773

Tritanomaly

16.0723, 8.4435, 0.9262

Monochromacy



Original Color

16.2211, 8.3539, 1.1383

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.5098, 3.6073, 2.2396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2211, 8.3539, 1.1383 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(168, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 13)  
}
```

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(168, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 16.2211, 8.3539, 1.1383 is called "border". The border property can be set on classes, ids or directly on the HTML element.

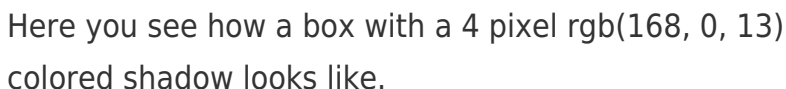
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 0, 13) }
```


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

```
.border{ border-color:rgb(168, 0, 13) }
```

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



Here you see how a box with a 4 pixel rgb(168, 0, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2211, 8.3539, 1.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 13) }
```

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

```
.background{ background-color: rgb(168, 0,  
13) }
```

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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