

Converting Colors

XYZ(16.3441, 8.6213, 0.8026)

Have a look what the booklet for
XYZ(16.3441, 8.6213, 0.8026)
contains.

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Color

**XYZ(16.2799, 8.5878,
0.7996)**

Conversions

Conversions Part 1

Format	Color
Hex	A80C00
RGB	168, 12, 0
RGB Percent	66%, 5%, 0%
CMY	0.3412, 0.9528, 1.0000
CMYK	0.00, 0.93, 1.00, 0.34
HSL	4°, 100%, 33%
HSV	4°, 100%, 66%
XYZ	16.2799, 8.5878, 0.7996
YIQ	57.2760, 96.8280, 29.3400

Conversions

Conversions Part 2

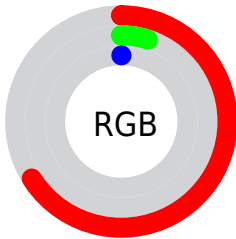
Format	Color
RYB	168, 13, 0
Decimal	11013120
CIELab	35.18, 57.08, 49.22
CIELCh	35, 75.369, 40.767
Yxy	8.5878, 0.6343, 0.3346
Android (android.graphics.Color)	4289203200 (0xFFA80C00)
YUV	57.2760, -28.2371, 97.1049
Hunter-Lab	29.3049, 47.8792, 18.8957

Details

The XYZ color **16.2799, 8.5878, 0.7996** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.9518, 26.5952, 41.1799**, and the grayscale version is **3.9545, 4.1605, 4.5307**.

A 20% lighter version of the original color is **36.7017, 23.1149, 5.4330**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.2800, 8.5883, 0.7997**, and if you desaturate by 10%, it is **16.6543, 9.1774, 1.4159**.

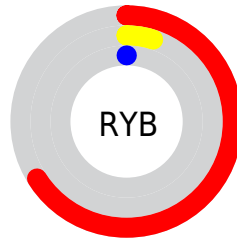
Distribution



Red (66%)

Green (5%)

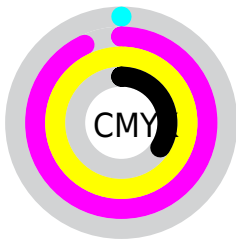
Blue (0%)



Red (66%)

Yellow (5%)

Blue (0%)

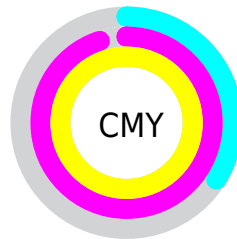


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2799, 8.5878, 0.7996 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 16.2799, 8.5878, 0.7996 by changing the saturation by 10% instead.


 16.2799, 8.5878,
0.7996


 16.2799, 8.5878,
0.7996


 224.2258,
180.2724, 99.6755


 9.8145, 4.4733,
0.0000


 36.6370, 23.1030,
5.4055

 5.3375, 1.9417,
0.0000

 51.2594, 34.2724,
10.1712


 2.4834, 0.5733,
0.0000

 69.3316, 48.5623,
17.1398

 0.8869, 0.0000,
0.0000

 91.2188, 66.3571,
26.7298


 0.0000, 0.0000,
0.0000


 117.2865, 88.0411,
39.3599


 147.9000,

113.9987, 55.4485


 183.4246,
144.6143, 75.4142


 16.2799, 8.5878,
0.7996


 16.2799, 8.5878,
0.7996


 16.2800, 8.5883,
0.7997

 16.6543, 9.1774,
1.4159

 17.3033, 10.1819,
2.5367

 18.2874, 11.6679,
4.3515

 19.6441, 13.6858,
6.9482

 21.4059, 16.2796,
10.4019

■ 23.6016, 19.4886,
14.7787

■ 26.2574, 23.3488,
20.1384

■ 29.3975, 27.8934,
26.5358

■ 33.0444, 33.1533,
34.0215

Harmonies

Analogous

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



19.4488, 8.5878, 5.5506



16.2799, 8.5878, 0.7996



11.2402, 8.5878, 0.0000

Triad

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



16.2799, 8.5878, 0.7996



2.5373, 8.5878, 3.4704



9.8274, 8.5878, 58.1658

Complementary

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



16.2799, 8.5878, 0.7996



18.9518, 26.5952, 41.1799

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.



5.7051, 8.5878, 55.1241



16.2799, 8.5878, 0.7996



2.3934, 8.5878, 14.5793

Square

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



16.2799, 8.5878, 0.7996



3.8275, 8.5878, 0.2496



3.3242, 8.5878, 35.3457



14.9351, 8.5878, 41.7685

Rectangle

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



16.2799, 8.5878, 0.7996



8.0509, 8.5878, 0.0000



3.3242, 8.5878, 35.3457



8.2750, 8.5878, 59.5969

Sweetspot

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



16.2801, 8.5884, 0.7997



47.3601, 41.9521, 35.9597



22.2170, 10.7522, 32.7130



9.8806, 8.5023, 6.9439



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.



16.2801, 8.5884, 0.7997



29.4846, 15.4683, 1.4317



20.2586, 16.5453, 2.1259



7.5727, 7.6254, 7.8620



12.3096, 6.5166, 0.6090



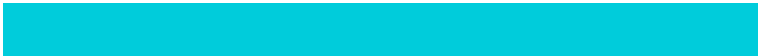
0.3125, 0.1847, 0.0192

Inverse Universe

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



18.9518, 26.5952, 41.1799



34.3241, 48.1271, 74.7055



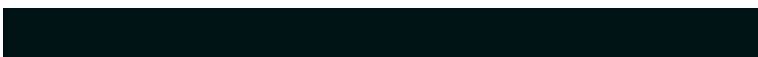
9.4373, 7.5661, 38.0084



7.7009, 8.4388, 9.6413



14.3276, 20.1154, 31.1030



0.3617, 0.5157, 0.7611

Previews

White Background



This preview shows how the XYZ color 16.2799, 8.5878, 0.7996 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 16.2799, 8.5878, 0.7996

Background



This preview shows how black text looks on a background with the XYZ color 16.2799, 8.5878, 0.7996.



This preview shows how white text looks on a background with the XYZ color 16.2799, 8.5878,

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

16.2799, 8.5878, 0.7996

Protanopia

8.2172, 9.0417, 2.0712

Tritanopia

16.3193, 8.6665, 0.8127

Trichromacy



Original Color

16.2799, 8.5878, 0.7996

Protanomaly

9.6184, 7.1954, 1.2974

Tritanomaly

16.3055, 8.6389, 0.8081

Monochromacy



Original Color

16.2799, 8.5878, 0.7996

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.0411, 4.2546, 2.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2799, 8.5878, 0.7996 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, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 12, 0)  
}
```

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, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 12, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.2799, 8.5878, 0.7996 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, 12, 0) }
```

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

```
.border{ border-color:rgb(168, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 12, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.2799, 8.5878, 0.7996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 12, 0) }
```

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

```
.background{ background-color: rgb(168, 12,  
0) }
```

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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