

Converting Colors

XYZ(15.7471, 8.2272, 0.7580)

Have a look what the booklet for
XYZ(15.7471, 8.2272, 0.7580)
contains.

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Color

**XYZ(15.8019, 8.2589,
0.7613)**

Conversions

Conversions Part 1

Format	Color
Hex	A60700
RGB	166, 7, 0
RGB Percent	65%, 3%, 0%
CMY	0.3490, 0.9725, 1.0000
CMYK	0.00, 0.96, 1.00, 0.35
HSL	3°, 100%, 33%
HSV	3°, 100%, 65%
XYZ	15.8019, 8.2589, 0.7613
YIQ	53.7430, 97.0110, 31.5310

Conversions

Conversions Part 2

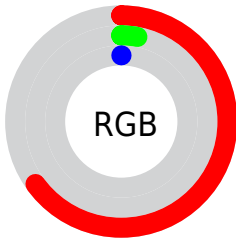
Format	Color
RYB	166, 7, 0
Decimal	10880768
CIELab	34.52, 57.19, 48.62
CIELCh	35, 75.065, 40.370
Yxy	8.2589, 0.6366, 0.3327
Android (android.graphics.Color)	4289070848 (0xFFA60700)
YUV	53.7430, -26.4953, 98.4494
Hunter-Lab	28.7383, 47.8571, 18.5462

Details

The XYZ color **15.8019, 8.2589, 0.7613** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.2773, 27.5418, 40.3764**, and the grayscale version is **3.4994, 3.6816, 4.0093**.

A 20% lighter version of the original color is **35.8910, 22.4852, 5.2447**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.8020, 8.2594, 0.7614**, and if you desaturate by 10%, it is **16.1287, 8.7559, 1.3541**.

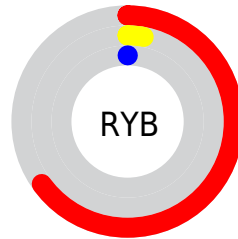
Distribution



Red (65%)

Green (3%)

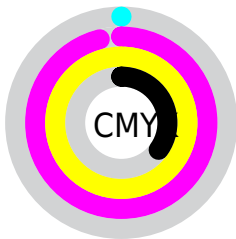
Blue (0%)



Red (65%)

Yellow (3%)

Blue (0%)

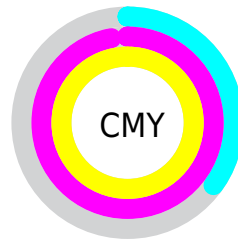


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (97%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8019, 8.2589, 0.7613 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 15.8019, 8.2589, 0.7613 by changing the saturation by 10% instead.


 15.8019, 8.2589,
0.7613


 15.8019, 8.2589,
0.7613


 221.4634,
177.7488, 98.8344


 9.4740, 4.2611,
0.0000


 35.8142, 22.4644,
5.2856


 5.1112, 1.8206,
0.0000

 50.2293, 33.4409,
9.9881

 2.3481, 0.5000,
0.0000

 68.0709, 47.5124,
16.8803

 0.8191, 0.0000,
0.0000

 89.7043, 65.0633,
26.3806


 0.0000, 0.0000,
0.0000


 115.4949, 86.4780,
38.9076


 145.8081,


112.1409, 54.8799

 181.0091,
142.4364, 74.7160


 15.8019, 8.2589,
0.7613


 15.8019, 8.2589,
0.7613


 15.8020, 8.2594,
0.7614

 16.1287, 8.7559,
1.3541

 16.7228, 9.6571,
2.4363

 17.6500, 11.0411,
4.1961

 18.9499, 12.9627,
6.7198

 20.6561, 15.4692,
10.0810

■ 22.7986, 18.6029,
14.3448

■ 25.4047, 22.4021,
19.5695

■ 28.4993, 26.9020,
25.8089

■ 32.1056, 32.1354,
33.1126

Harmonies

Analogous

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



18.8499, 8.2589, 5.4229



15.8019, 8.2589, 0.7613



10.9052, 8.2589, 0.0000

Triad

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



15.8019, 8.2589, 0.7613



2.4173, 8.2589, 3.2249



9.4038, 8.2589, 56.7324

Complementary

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



15.8019, 8.2589, 0.7613



19.2773, 27.5418, 40.3764

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.



5.4262, 8.2589, 53.4799



15.8019, 8.2589, 0.7613



2.2659, 8.2589, 13.8609

Square

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



15.8019, 8.2589, 0.7613



3.6781, 8.2589, 0.1623



3.1469, 8.2589, 34.0245



14.3701, 8.2589, 40.8841

Rectangle

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



15.8019, 8.2589, 0.7613



7.7975, 8.2589, 0.0000



3.1469, 8.2589, 34.0245



7.9024, 8.2589, 58.0374

Sweetspot

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



15.8021, 8.2594, 0.7614



45.8203, 40.2399, 34.9399



22.1119, 10.6614, 34.3645



9.8054, 8.3518, 6.9188



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.



15.8021, 8.2594, 0.7614



28.6405, 14.9125, 1.3689



19.2596, 15.1744, 1.9139



7.5556, 7.5913, 7.8563



12.2626, 6.4224, 0.5933



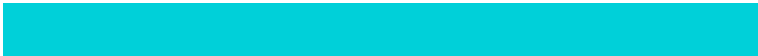
0.3061, 0.1717, 0.0170

Inverse Universe

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



19.2773, 27.5418, 40.3764



34.9458, 49.9046, 73.2660



9.5696, 8.1266, 37.1405



7.7200, 8.4768, 9.6476



14.9575, 21.3751, 31.3130



0.3719, 0.5361, 0.7645

Previews

White Background



This preview shows how the XYZ color 15.8019, 8.2589, 0.7613 looks on a white background.

Color Contrast Check

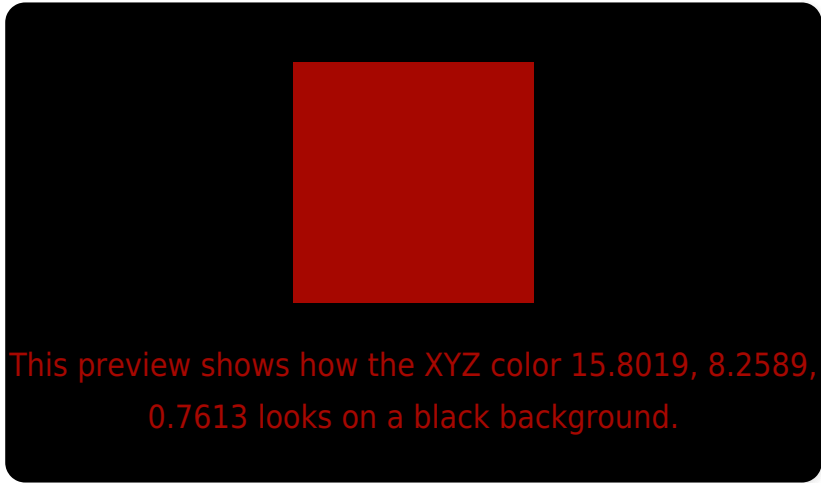
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8019, 8.2589, 0.7613

Background



This preview shows how black text looks on a background with the XYZ color 15.8019, 8.2589, 0.7613.



This preview shows how white text looks on a background with the XYZ color 15.8019, 8.2589,

0.7613.

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

15.8019, 8.2589, 0.7613

Protanopia

7.9218, 8.7745, 1.9856

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.8019, 8.2589, 0.7613

Protanomaly

9.2325, 6.8505, 1.2164

Deuteranomaly

10.1752, 7.1354, 0.8410

Tritanomaly

15.6485, 8.2623, 0.7700

Monochromacy



Original Color

15.8019, 8.2589, 0.7613

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.6696, 3.8715, 1.9618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8019, 8.2589, 0.7613 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(166, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 7, 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(166, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 7, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8019, 8.2589, 0.7613 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(166, 7, 0) }
```


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

```
.border{ border-color:rgb(166, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(166, 7, 0); box-shadow:4px  
4px 4px 4px rgb(166, 7, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8019, 8.2589, 0.7613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 7, 0) }
```

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

```
.background{ background-color: rgb(166, 7,  
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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