

Converting Colors

XYZ(15.6553, 8.3484, 0.7863)

Have a look what the booklet for
XYZ(15.6553, 8.3484, 0.7863)
contains.

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Color

**XYZ(15.7023, 8.3699,
0.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	A51000
RGB	165, 16, 0
RGB Percent	65%, 6%, 0%
CMY	0.3529, 0.9372, 1.0000
CMYK	0.00, 0.90, 1.00, 0.35
HSL	6°, 100%, 32%
HSV	6°, 100%, 65%
XYZ	15.7023, 8.3699, 0.7879
YIQ	58.7270, 93.9400, 26.6120

Conversions

Conversions Part 2

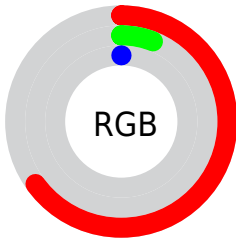
Format	Color
RYB	165, 18, 0
Decimal	10817536
CIELab	34.74, 55.64, 48.63
CIELCh	35, 73.896, 41.154
Yxy	8.3699, 0.6316, 0.3367
Android (android.graphics.Color)	4289007616 (0xFFA51000)
YUV	58.7270, -28.9524, 93.2014
Hunter-Lab	28.9308, 46.2527, 18.6368

Details

The XYZ color **15.7023, 8.3699, 0.7879** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.5356, 24.2048, 39.3447**, and the grayscale version is **4.1504, 4.3666, 4.7552**.

A 20% lighter version of the original color is **35.4917, 22.6006, 5.3975**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.7025, 8.3704, 0.7880**, and if you desaturate by 10%, it is **16.1020, 9.0139, 1.4012**.

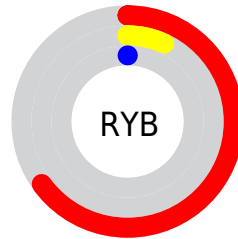
Distribution



Red (65%)

Green (6%)

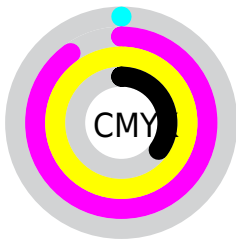
Blue (0%)



Red (65%)

Yellow (7%)

Blue (0%)

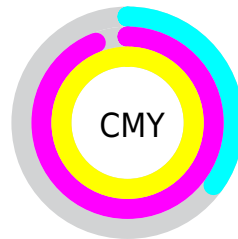


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7023, 8.3699, 0.7879 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 15.7023, 8.3699, 0.7879 by changing the saturation by 10% instead.


 15.7023, 8.3699,
0.7879


 15.7023, 8.3699,
0.7879


 220.8837,
178.6052, 99.4181


 9.4032, 4.3325,
0.0000


 35.6422, 22.6805,
5.3687


 5.0643, 1.8613,
0.0000

 50.0138, 33.7225,
10.1150


 2.3202, 0.5249,
0.0000

 67.8070, 47.8681,
17.0602

 0.8050, 0.0000,
0.0000


 89.3871, 65.5018,
26.6228


 0.0000, 0.0000,
0.0000


 115.1194, 87.0080,
39.2214


 145.3694,


112.7710, 55.2744


 180.5024,
143.1753, 75.2004


 15.7023, 8.3699,
0.7879


 15.7023, 8.3699,
0.7879


 15.7025, 8.3704,
0.7880

 16.1020, 9.0139,
1.4012

 16.7612, 10.0487,
2.4950

 17.7354, 11.5323,
4.2525

 19.0580, 13.5082,
6.7571

 20.7583, 16.0147,
10.0798

■ 22.8622, 19.0865,
14.2834

■ 25.3935, 22.7551,
19.4245

■ 28.3741, 27.0500,
25.5553

■ 31.8243, 31.9983,
32.7236

Harmonies

Analogous

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



18.7788, 8.3699, 5.3364



15.7023, 8.3699, 0.7879



10.8548, 8.3699, 0.0000

Triad

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



15.7023, 8.3699, 0.7879



2.5041, 8.3699, 3.5038



9.6193, 8.3699, 55.7337

Complementary

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



15.7023, 8.3699, 0.7879



17.5356, 24.2048, 39.3447

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.



5.6245, 8.3699, 53.0948



15.7023, 8.3699, 0.7879



2.3768, 8.3699, 14.3503

Square

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



15.7023, 8.3699, 0.7879



3.7413, 8.3699, 0.2978



3.2975, 8.3699, 34.3235



14.5291, 8.3699, 39.9046

Rectangle

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



15.7023, 8.3699, 0.7879



7.7941, 8.3699, 0.0000



3.2975, 8.3699, 34.3235



8.1188, 8.3699, 57.1893

Sweetspot

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



15.7025, 8.3704, 0.7880



45.2087, 40.3635, 34.2370



21.1231, 10.2417, 30.2480



9.4715, 8.2280, 6.6453



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.



15.7025, 8.3704, 0.7880



28.0544, 14.8552, 1.3887



19.7226, 16.4106, 2.1281



7.1265, 7.1915, 7.3926



11.8974, 6.3687, 0.6022



0.2655, 0.1648, 0.0178

Inverse Universe

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



17.5356, 24.2048, 39.3447



31.3222, 43.1834, 70.4367



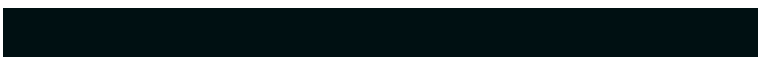
8.9042, 6.9421, 36.4676



7.2171, 7.8932, 9.0462



13.2861, 18.3516, 29.7717



0.2950, 0.4172, 0.6308

Previews

White Background



This preview shows how the XYZ color 15.7023, 8.3699, 0.7879 looks on a white background.

Color Contrast Check

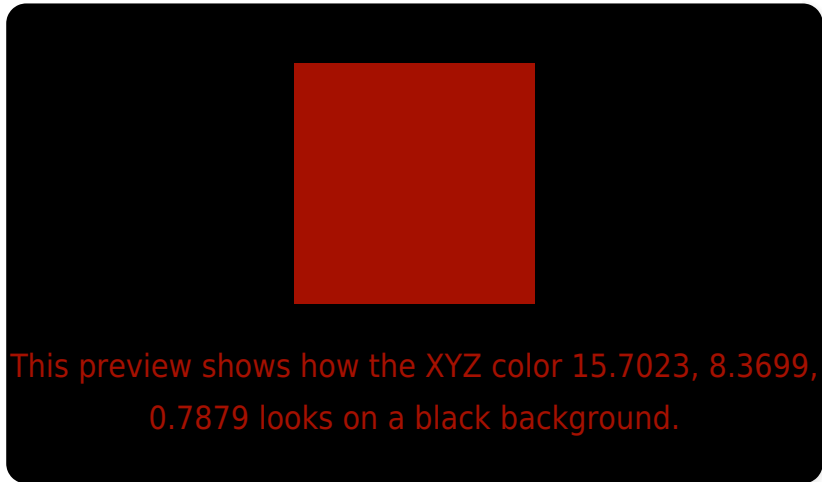
Large Text (above 18pt) WCAG AA ✓ Pass

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

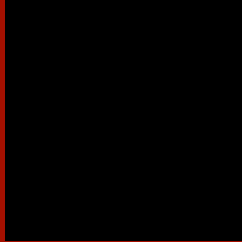
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7023, 8.3699, 0.7879

Background



This preview shows how black text looks on a background with the XYZ color 15.7023, 8.3699, 0.7879.



This preview shows how white text looks on a background with the XYZ color 15.7023, 8.3699,

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

15.7023, 8.3699, 0.7879

Protanopia

7.9218, 8.7745, 1.9856

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.7462, 8.3874, 1.0188

Trichromacy



Original Color

15.7023, 8.3699, 0.7879

Protanomaly

9.3823, 7.1501, 1.2664

Deuteranomaly

10.2155, 7.4383, 0.8973

Tritanomaly

15.7297, 8.3809, 0.9322

Monochromacy



Original Color

15.7023, 8.3699, 0.7879

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.2507, 4.4644, 2.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7023, 8.3699, 0.7879 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(165, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 16, 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(165, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 16, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7023, 8.3699, 0.7879 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(165, 16, 0) }
```


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

```
.border{ border-color:rgb(165, 16, 0) }
```

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

Here you see how a box with a 4 pixel rgb(165, 16, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 16, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7023, 8.3699, 0.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 16, 0) }
```

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

```
.background{ background-color: rgb(165, 16,  
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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