

Converting Colors

XYZ(16.7722, 8.9853, 0.2498)

Have a look what the booklet for
XYZ(16.7722, 8.9853, 0.2498)
contains.

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Color

**XYZ(16.7939, 8.9787,
0.8479)**

Conversions

Conversions Part 1

Format	Color
Hex	AA1200
RGB	170, 18, 0
RGB Percent	67%, 7%, 0%
CMY	0.3333, 0.9293, 1.0000
CMYK	0.00, 0.89, 1.00, 0.33
HSL	6°, 100%, 33%
HSV	6°, 100%, 67%
XYZ	16.7939, 8.9787, 0.8479
YIQ	61.3960, 96.3700, 26.6260

Conversions

Conversions Part 2

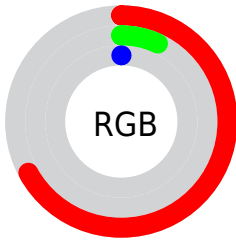
Format	Color
R_{YB}	170, 20, 0
Decimal	11145728
CIE Lab	35.94, 56.68, 49.84
CIE LCh	36, 75.476, 41.329
Yxy	8.9787, 0.6309, 0.3373
Android (android.graphics.Color)	4289335808 (0xFFAA1200)
YUV	61.3960, -30.2682, 95.2457
Hunter-Lab	29.9645, 47.6043, 19.2974

Details

The XYZ color **16.7939, 8.9787, 0.8479** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.4804, 25.3518, 41.9493**, and the grayscale version is **4.5257, 4.7614, 5.1852**.

A 20% lighter version of the original color is **37.5793, 23.9007, 5.5384**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **16.7941, 8.9793, 0.8480**, and if you desaturate by 10%, it is **17.2286, 9.6863, 1.4919**.

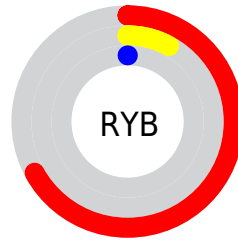
Distribution



Red (67%)

Green (7%)

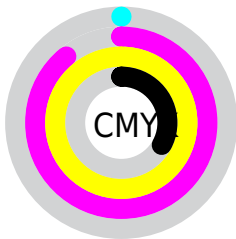
Blue (0%)



Red (67%)

Yellow (8%)

Blue (0%)

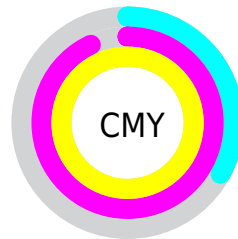


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7939, 8.9787, 0.8479 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 16.7939, 8.9787, 0.8479 by changing the saturation by 10% instead.


 16.7939, 8.9787,
0.8479


 16.7939, 8.9787,
0.8479


 227.1613,
183.2189, 100.7431


 10.1820, 4.7273,
0.0000


 37.5175, 23.8559,
5.5594


 5.5830, 2.0882,
0.0000

 52.3600, 35.2505,
10.4053


 2.6315, 0.6580,
0.0000

 70.6767, 49.7950,
17.4709

 0.9620, 0.0000,
0.0000

 92.8330, 67.8737,
27.1747


 0.0000, 0.0000,
0.0000


 119.1942, 89.8710,
39.9353


 150.1258,


116.1714, 56.1712


 185.9931,
147.1593, 76.3009


 16.7939, 8.9787,
0.8479


 16.7939, 8.9787,
0.8479


 16.7941, 8.9793,
0.8480

 17.2286, 9.6863,
1.4919

 17.9402, 10.8096,
2.6543

 18.9867, 12.4084,
4.5263

 20.4033, 14.5283,
7.1977

 22.2207, 17.2091,
10.7448

■ 24.4666, 20.4870,
15.2351

■ 27.1658, 24.3951,
20.7296

■ 30.3416, 28.9641,
27.2838

■ 34.0155, 34.2226,
34.9496

Harmonies

Analogous

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



20.1017, 8.9787, 5.6801



16.7939, 8.9787, 0.8479



11.6057, 8.9787, 0.0000

Triad

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



16.7939, 8.9787, 0.8479



2.6909, 8.9787, 3.8064



10.3442, 8.9787, 59.5552

Complementary

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



16.7939, 8.9787, 0.8479



18.4804, 25.3518, 41.9493

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.



6.0586, 8.9787, 56.8646



16.7939, 8.9787, 0.8479



2.5605, 8.9787, 15.4803

Square

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



16.7939, 8.9787, 0.8479



4.0091, 8.9787, 0.3702



3.5552, 8.9787, 36.8692



15.5965, 8.9787, 42.5612

Rectangle

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



16.7939, 8.9787, 0.8479



8.3353, 8.9787, 0.0000



3.5552, 8.9787, 36.8692



8.7358, 8.9787, 61.1536

Sweetspot

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



16.7941, 8.9793, 0.8480



49.0016, 43.8466, 37.0210



22.3272, 10.8459, 31.0535



10.4616, 9.1045, 7.3041



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.7941, 8.9793, 0.8480



30.3950, 16.1395, 1.5132



21.3288, 18.0487, 2.3596



7.5928, 7.6656, 7.8687



12.3752, 6.6477, 0.6309



0.3202, 0.1999, 0.0217

Inverse Universe

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



18.4804, 25.3518, 41.9493



33.4350, 45.8064, 76.0812



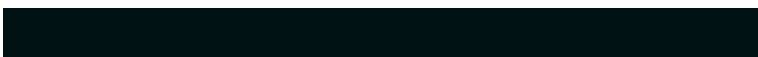
9.3228, 7.0365, 38.8968



7.6786, 8.3942, 9.6339



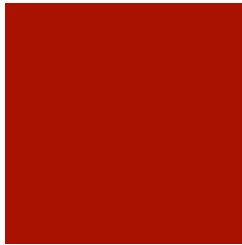
13.6188, 18.6977, 30.8667



0.3500, 0.4923, 0.7572

Previews

White Background



This preview shows how the XYZ color 16.7939, 8.9787, 0.8479 looks on a white background.

Color Contrast Check

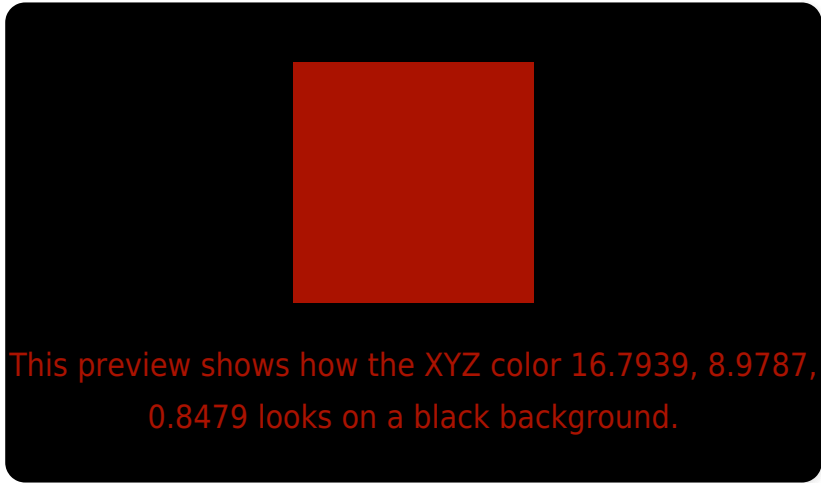
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7939, 8.9787, 0.8479

Background



This preview shows how black text looks on a background with the XYZ color 16.7939, 8.9787, 0.8479.



This preview shows how white text looks on a background with the XYZ color 16.7939, 8.9787,

0.8479.

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

16.7939, 8.9787, 0.8479

Protanopia

8.4828, 9.4157, 2.1294

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.8543, 9.0028, 1.1660

Trichromacy



Original Color

16.7939, 8.9787, 0.8479

Protanomaly

10.1141, 7.7620, 1.3806

Deuteranomaly

10.9240, 7.9532, 0.9594

Tritanomaly

16.8322, 8.9940, 1.0499

Monochromacy



Original Color

16.7939, 8.9787, 0.8479

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.6714, 4.7900, 2.4924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7939, 8.9787, 0.8479 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(170, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 18, 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(170, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7939, 8.9787, 0.8479 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(170, 18, 0) }
```


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

```
.border{ border-color:rgb(170, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7939, 8.9787, 0.8479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 18, 0) }
```

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

```
.background{ background-color: rgb(170, 18,  
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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