

Converting Colors

XYZ(19.7289, 10.4682, 0.9807)

Have a look what the booklet for
XYZ(19.7289, 10.4682, 0.9807)
contains.

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Color

**XYZ(19.7289, 10.4682,
0.9807)**

Conversions

Conversions Part 1

Format	Color
Hex	B71100
RGB	183, 17, 0
RGB Percent	72%, 7%, 0%
CMY	0.2824, 0.9332, 1.0000
CMYK	0.00, 0.91, 1.00, 0.28
HSL	6°, 100%, 36%
HSV	6°, 100%, 72%
XYZ	19.7289, 10.4682, 0.9807
YIQ	64.6960, 104.3930, 29.9050

Conversions

Conversions Part 2

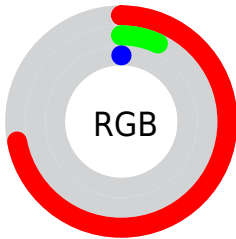
Format	Color
RYB	183, 19, 0
Decimal	11997440
CIELab	38.67, 60.40, 52.65
CIELCh	39, 80.123, 41.077
Yxy	10.4682, 0.6328, 0.3358
Android (android.graphics.Color)	4290187520 (0xFFB71100)
YUV	64.6960, -31.8951, 103.7526
Hunter-Lab	32.3546, 52.2236, 20.8511

Details

The XYZ color **19.7289, 10.4682, 0.9807** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **22.1788, 30.6820, 49.5527**, and the grayscale version is **5.0159, 5.2772, 5.7468**.

A 20% lighter version of the original color is **42.5574, 26.6925, 6.0411**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **19.7291, 10.4689, 0.9809**, and if you desaturate by 10%, it is **20.2012, 11.2344, 1.6890**.

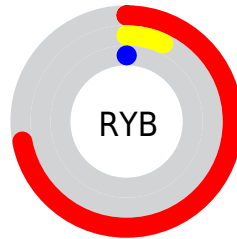
Distribution



Red (72%)

Green (7%)

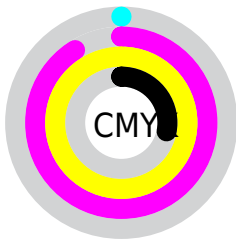
Blue (0%)



Red (72%)

Yellow (7%)

Blue (0%)

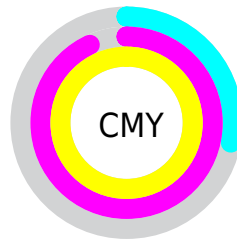


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7289, 10.4682, 0.9807 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 19.7289, 10.4682, 0.9807 by changing the saturation by 10% instead.


 19.7289, 10.4682,
0.9807


 19.7289, 10.4682,
0.9807


 243.3053,
193.9818, 103.7157


 12.3052, 5.7105,
0.0000


 42.4696, 26.6725,
5.9971


 7.0256, 2.6698,
0.0000


 58.5174, 38.8878,
11.0669


 3.5246, 0.9619,
0.0000

 78.1706, 54.3579,
18.4024

 1.4369, 0.0000,
0.0000

 101.7946, 73.4670,
28.4223


 0.2823, 0.0000,
0.0000


 129.7547, 96.5995,
41.5450


 0.0000, 0.0000,
0.0000


 162.4163,

124.1399, 58.1891


 200.1447,
156.4725, 78.7731


 19.7289, 10.4682,
0.9807


 19.7289, 10.4682,
0.9807


 19.7291, 10.4689,
0.9809

 20.2012, 11.2344,
1.6890

 21.0060, 12.4983,
3.0228

 22.2118, 14.3347,
5.1980

 23.8626, 16.8011,
8.3233

 25.9966, 19.9479,
12.4911

■ 28.6477, 23.8204,
17.7826

■ 31.8470, 28.4601,
24.2713

■ 35.6229, 33.9053,
32.0242

■ 40.0019, 40.1917,
41.1035

Harmonies

Analogous

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



23.6028, 10.4682, 6.6761



19.7289, 10.4682, 0.9807



13.6173, 10.4682, 0.0000

Triad

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



19.7289, 10.4682, 0.9807



3.1060, 10.4682, 4.3316



12.0297, 10.4682, 70.3347

Complementary

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



19.7289, 10.4682, 0.9807



22.1788, 30.6820, 49.5527

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.



7.0079, 10.4682, 66.9279



19.7289, 10.4682, 0.9807



2.9435, 10.4682, 17.9440

Square

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



19.7289, 10.4682, 0.9807



4.6600, 10.4682, 0.4386



4.0924, 10.4682, 43.1497



18.2192, 10.4682, 50.3481

Rectangle

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



19.7289, 10.4682, 0.9807



9.7602, 10.4682, 0.0000



4.0924, 10.4682, 43.1497



10.1416, 10.4682, 72.1546

Sweetspot

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



19.7291, 10.4689, 0.9809



56.7301, 50.5268, 42.8414



26.5728, 12.8850, 38.0100



11.9756, 10.3570, 8.3344



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.7291, 10.4689, 0.9809



35.2633, 18.6066, 1.7328



24.7599, 20.5305, 2.6578



9.0700, 9.1430, 9.3936



13.7868, 7.3500, 0.6920



0.5086, 0.3042, 0.0319

Inverse Universe

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



22.1788, 30.6820, 49.5527



39.6307, 54.7686, 88.7184



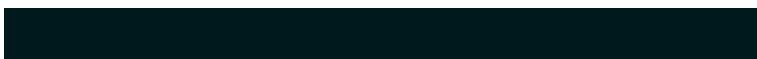
11.1489, 8.6222, 45.8760



9.1933, 10.0639, 11.5374



15.4992, 21.4581, 34.5780



0.5673, 0.7983, 1.2259

Previews

White Background



This preview shows how the XYZ color 19.7289, 10.4682, 0.9807 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 × Fail

Black Background



This preview shows how the XYZ color 19.7289, 10.4682, 0.9807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7289, 10.4682, 0.9807

Background



This preview shows how black text looks on a background with the XYZ color 19.7289, 10.4682, 0.9807.



This preview shows how white text looks on a background with the XYZ color 19.7289, 10.4682,

0.9807.

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

19.7289, 10.4682, 0.9807

Protanopia

9.8947, 10.8938, 2.3918

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

19.7672, 10.4835, 1.1827

Trichromacy



Original Color

19.7289, 10.4682, 0.9807

Protanomaly

11.6494, 8.8016, 1.5368

Deuteranomaly

12.7071, 9.1080, 1.0883

Tritanomaly

19.7508, 10.4769, 1.0961

Monochromacy



Original Color

19.7289, 10.4682, 0.9807

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.6415, 5.4621, 2.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7289, 10.4682, 0.9807 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(183, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 17, 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(183, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 17, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7289, 10.4682, 0.9807 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(183, 17, 0) }
```


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

```
.border{ border-color:rgb(183, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 17, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7289, 10.4682, 0.9807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 17, 0) }
```

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

```
.background{ background-color: rgb(183, 17,  
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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