

Converting Colors

XYZ(19.1988, 9.8940, 1.0646)

Have a look what the booklet for
XYZ(19.1988, 9.8940, 1.0646)
contains.

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Color

**XYZ(19.0889, 9.8369,
1.0649)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B50006 |
| RGB | 181, 0, 6 |
| RGB Percent | 71%, 0%, 2% |
| CMY | 0.2902, 0.9999, 0.9765 |
| CMYK | 0.00, 1.00, 0.97, 0.29 |
| HSL | 358°, 100%, 35% |
| HSV | 358°, 100%, 71% |
| XYZ | 19.0889, 9.8369, 1.0649 |
| YIQ | 54.8030, 105.9500, 40.2380 |

Conversions

Conversions Part 2

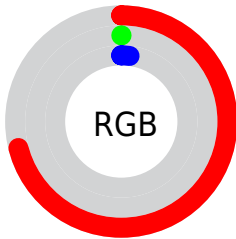
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 181, 0, 6 |
| Decimal | 11862022 |
| CIE Lab | 37.55, 62.00, 49.55 |
| CIE LCh | 38, 79.368, 38.635 |
| Yxy | 9.8369, 0.6365, 0.3280 |
| Android (android.graphics.Color) | 4290052102 (0xFFB50006) |
| YUV | 54.8030, -24.0599, 110.6748 |
| Hunter-Lab | 31.3638, 53.7534, 19.9416 |

Details

The XYZ color **19.0889, 9.8369, 1.0649** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **24.2652, 36.1441, 46.2717**, and the grayscale version is **3.6287, 3.8177, 4.1575**.

A 20% lighter version of the original color is **41.5406, 25.5965, 6.2412**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.0886, 9.8367, 1.0640**, and if you desaturate by 10%, it is **19.4341, 10.3245, 1.8059**.

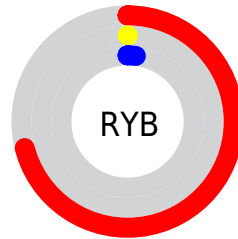
Distribution



Red (71%)

Green (0%)

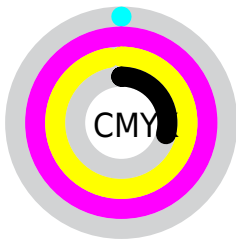
Blue (2%)



Red (71%)

Yellow (0%)

Blue (2%)

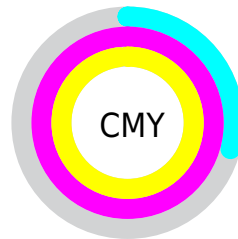


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (29%)



Cyan (29%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0889, 9.8369, 1.0649 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 19.0889, 9.8369, 1.0649 by changing the saturation by 10% instead.


 19.0889, 9.8369,
1.0649


 19.0889, 9.8369,
1.0649


 239.8678,
189.5040, 105.5580


 11.8389, 5.2910,
0.0000


 41.4000, 25.4883,
6.2751


 6.7055, 2.4190,
0.0000


 57.1918, 37.3625,
11.4840


 3.3233, 0.8356,
0.0000

 76.5616, 52.4482,
18.9868

 1.3269, 0.0000,
0.0000

 99.8747, 71.1299,
29.2020


 0.2033, 0.0000,
0.0000


 127.4965, 93.7920,
42.5482


 0.0000, 0.0000,
0.0000


 159.7924,


120.8187, 59.4439


 197.1277,
152.5946, 80.3077


 19.0889, 9.8369,
1.0649


 19.0889, 9.8369,
1.0649


 19.0886, 9.8367,
1.0640

 19.4341, 10.3245,
1.8059

 20.0942, 11.2597,
3.2127

 21.1674, 12.8038,
5.4270

 22.7063, 15.0366,
8.5454

 24.7559, 18.0257,
12.6507

■ 27.3557, 21.8309,
17.8164

■ 30.5415, 26.5058,
24.1092

■ 34.3460, 32.0995,
31.5900

■ 38.7994, 38.6575,
40.3158

Harmonies

Analogous

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



22.4948, 9.8369, 7.0758



19.0889, 9.8369, 1.0649



13.3221, 9.8369, 0.0000

Triad

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



19.0889, 9.8369, 1.0649



2.9368, 9.8369, 3.4700



10.8738, 9.8369, 67.8079

Complementary

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



19.0889, 9.8369, 1.0649



24.2652, 36.1441, 46.2717

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.



6.2576, 9.8369, 62.5261



19.0889, 9.8369, 1.0649



2.6884, 9.8369, 15.4161

Square

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



19.0889, 9.8369, 1.0649



4.5281, 9.8369, 0.1916



3.6580, 9.8369, 38.8700



16.7570, 9.8369, 50.0215

Rectangle

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



19.0889, 9.8369, 1.0649



9.5814, 9.8369, 0.0000



3.6580, 9.8369, 38.8700



9.1217, 9.8369, 68.8579

Sweetspot

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



19.0891, 9.8375, 1.0650



54.3765, 46.9969, 42.5423



26.0126, 12.4470, 44.7471



11.2182, 9.3729, 8.1403



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.0891, 9.8375, 1.0650



34.1714, 17.6111, 1.8204



22.2641, 16.2398, 1.9621



8.5073, 8.5097, 8.9041



13.1645, 6.7834, 0.7603



0.4179, 0.2149, 0.0436

Inverse Universe

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



19.0891, 9.8375, 1.0650



34.1714, 17.6111, 1.8204



12.5739, 11.8026, 45.3310



8.5073, 8.5097, 8.9041



13.1645, 6.7834, 0.7603



0.4179, 0.2149, 0.0436

Previews

White Background



This preview shows how the XYZ color 19.0889, 9.8369, 1.0649 looks on a white background.

Color Contrast Check

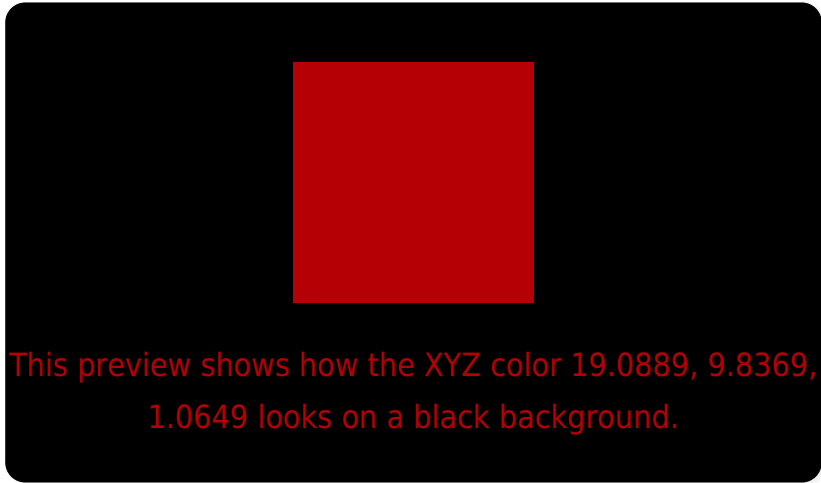
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0889, 9.8369, 1.0649

Background



This preview shows how black text looks on a background with the XYZ color 19.0889, 9.8369, 1.0649.



This preview shows how white text looks on a background with the XYZ color 19.0889, 9.8369,

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

19.0889, 9.8369, 1.0649

Protanopia

9.5961, 10.6080, 2.4615

Deuteranopia

10.4784, 10.4612, 1.4669



Tritanopia

19.0228, 10.1042, 0.9477

Trichromacy



Original Color

19.0889, 9.8369, 1.0649

Protanomaly

11.0332, 7.9969, 1.5343

Deuteranomaly

12.0246, 8.2257, 1.0114

Tritanomaly

18.9530, 9.9470, 0.9785

Monochromacy



Original Color

19.0889, 9.8369, 1.0649

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.3018, 4.1023, 2.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0889, 9.8369, 1.0649 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(181, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 6)  
}
```

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(181, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 6) }
```

Border

The CSS property to change the border of an element to XYZ 19.0889, 9.8369, 1.0649 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(181, 0, 6) }
```


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

```
.border{ border-color:rgb(181, 0, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(181, 0, 6); box-shadow:4px  
4px 4px 4px rgb(181, 0, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0889, 9.8369, 1.0649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 6) }
```

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

```
.background{ background-color: rgb(181, 0,  
6) }
```

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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