

# Converting Colors

XYZ(19.0990, 9.8423, 1.0575)

Have a look what the booklet for  
XYZ(19.0990, 9.8423, 1.0575)  
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

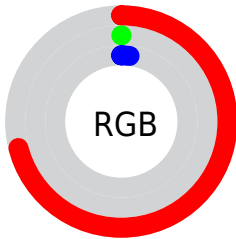
Format	Color
<b>RYB</b>	181, 0, 6
Decimal	11862022
CIELab	37.55, 62.00, 49.55
CIELCh	38, 79.368, 38.635
Yxy	9.8369, 0.6365, 0.3280
Android (android.graphics.Color)	4290052102 (0xFFB50006)
YUV	54.8030, -24.0599, 110.6748
Hunter-Lab	31.3638, 53.7534, 19.9416

# 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**.

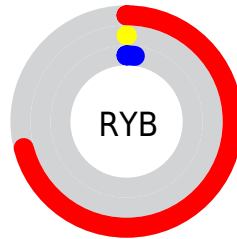
# Distribution



Red (71%)

Green (0%)

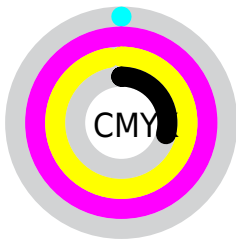
Blue (2%)



Red (71%)

Yellow (0%)

Blue (2%)

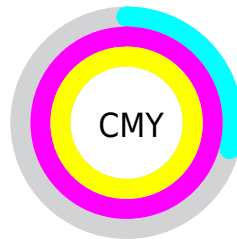


Cyan (0%)

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

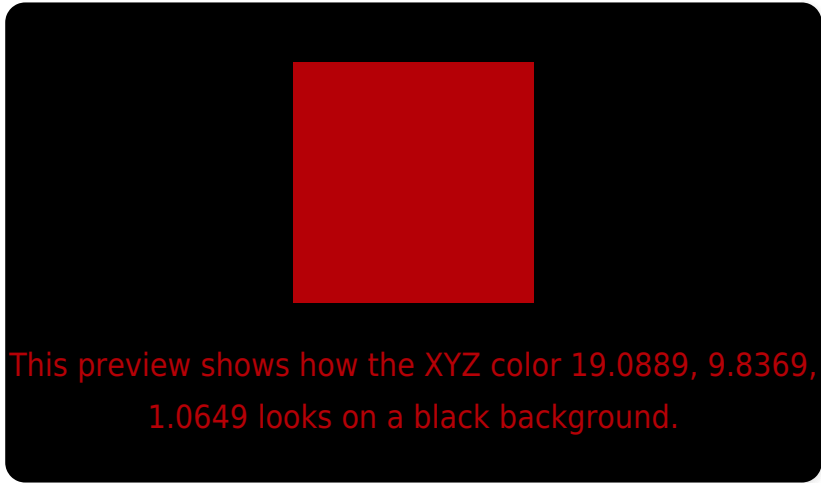
Any Text WCAG AA ✓ Pass

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

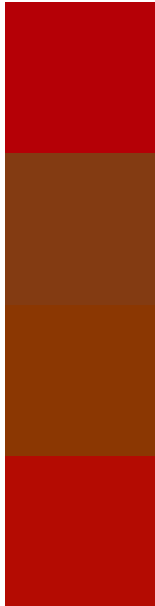
10.4784, 10.4612, 1.4669



## 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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