

# Converting Colors

XYZ(21.0412, 11.0391, 1.0218)

Have a look what the booklet for  
XYZ(21.0412, 11.0391, 1.0218)  
contains.

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# Color

**XYZ(21.1177, 11.0818,  
1.0260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD0C00
RGB	189, 12, 0
RGB Percent	74%, 5%, 0%
CMY	0.2588, 0.9528, 1.0000
CMYK	0.00, 0.94, 1.00, 0.26
HSL	4°, 100%, 37%
HSV	4°, 100%, 74%
XYZ	21.1177, 11.0818, 1.0260
YIQ	63.5550, 109.3440, 33.7920

# Conversions

## Conversions Part 2

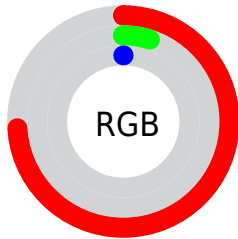
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 13, 0
Decimal	12389376
CIELab	39.72, 62.67, 53.82
CIELCh	40, 82.611, 40.656
Yxy	11.0818, 0.6356, 0.3335
Android (android.graphics.Color)	4290579456 (0xFFBD0C00)
YUV	63.5550, -31.3326, 110.0153
Hunter-Lab	33.2893, 54.9784, 21.4752

# Details

The XYZ color **21.1177, 11.0818, 1.0260** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **24.9003, 35.1043, 53.6070**, and the grayscale version is **4.8434, 5.0957, 5.5492**.

A 20% lighter version of the original color is **44.7191, 27.8068, 6.1423**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.1179, 11.0825, 1.0261**, and if you desaturate by 10%, it is **21.5602, 11.7804, 1.7492**.

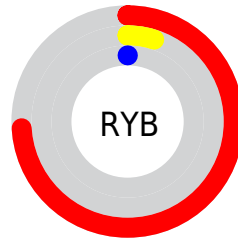
# Distribution



Red (74%)

Green (5%)

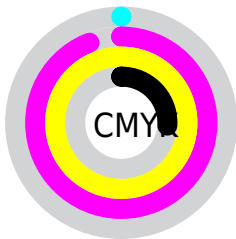
Blue (0%)



Red (74%)

Yellow (5%)

Blue (0%)

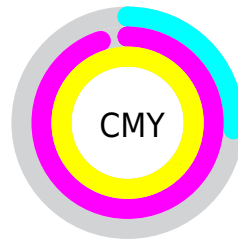


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (95%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1177, 11.0818, 1.0260 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 21.1177, 11.0818, 1.0260 by changing the saturation by 10% instead.





 21.1177, 11.0818,  
1.0260


 21.1177, 11.0818,  
1.0260


 250.6232,  
198.2279, 104.7167


 13.3230, 6.1219,  
0.0000


 44.7731, 27.8113,  
6.1475


 7.7299, 2.9193,  
0.0000

 61.3646, 40.3497,  
11.2929


 3.9729, 1.0898,  
0.0000

 81.6190, 56.1831,  
18.7193

 1.6868, 0.0000,  
0.0000

 105.9018, 75.6958,  
28.8453


 0.4480, 0.0000,  
0.0000


 134.5782, 99.2722,  
42.0896


 0.0000, 0.0000,  
0.0000


 168.0137,


127.2968, 58.8705


 206.5736,  
160.1539, 79.6067


 21.1177, 11.0818,  
1.0260


 21.1177, 11.0818,  
1.0260


 21.1179, 11.0825,  
1.0261

 21.5602, 11.7804,  
1.7492

 22.3664, 13.0249,  
3.1522

 23.6146, 14.9061,  
5.4645

 25.3563, 17.4943,  
8.8053

 27.6360, 20.8500,  
13.2758

■ 30.4930, 25.0275,  
18.9651

■ 33.9632, 30.0762,  
25.9532

■ 38.0792, 36.0415,  
34.3135

■ 42.8717, 42.9656,  
44.1138

# Harmonies

## Analogous

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



25.2326, 11.0818, 7.1770



21.1177, 11.0818, 1.0260



14.5591, 11.0818, 0.0000

# Triad

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



21.1177, 11.0818, 1.0260



3.2457, 11.0818, 4.4133



12.6733, 11.0818, 75.7949

# Complementary

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



21.1177, 11.0818, 1.0260



24.9003, 35.1043, 53.6070

# 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.



7.3272, 11.0818, 71.7150



21.1177, 11.0818, 1.0260



3.0552, 11.0818, 18.7859

# Square

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



21.1177, 11.0818, 1.0260



4.9199, 11.0818, 0.4060



4.2517, 11.0818, 45.8315



19.3199, 11.0818, 54.4383



# Rectangle

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



21.1177, 11.0818, 1.0260



10.4090, 11.0818, 0.0000



4.2517, 11.0818, 45.8315



10.6578, 11.0818, 77.6301

# Sweetspot

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



21.1179, 11.0825, 1.0261



60.5040, 53.3955, 45.8257



29.1784, 14.0957, 44.1224



12.4230, 10.6277, 8.6676



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



21.1179, 11.0825, 1.0261



37.7657, 19.7350, 1.8188



25.9313, 20.7093, 2.6306



9.5776, 9.6313, 9.9309



14.2295, 7.4978, 0.6972



0.5742, 0.3274, 0.0329



# Inverse Universe

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



24.9003, 35.1043, 53.6070



44.5290, 62.7365, 95.9886



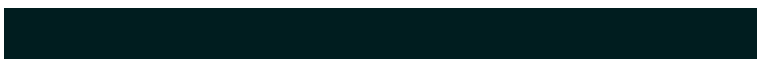
12.4377, 10.1790, 49.4527



9.7552, 10.7026, 12.2239



16.7752, 23.6622, 36.0760



0.6730, 0.9586, 1.4184



# Previews

## White Background



This preview shows how the XYZ color 21.1177, 11.0818, 1.0260 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



## 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 21.1177, 11.0818, 1.0260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.1177, 11.0818, 1.0260.



This preview shows how white text looks on a background with the XYZ color 21.1177, 11.0818,



# 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

21.1177, 11.0818, 1.0260

### Protanopia

10.4111, 11.5575, 2.5462

### Deuteranopia

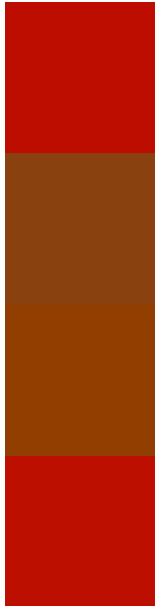
11.6262, 11.5471, 1.6160



## Tritanopia

20.9395, 11.0923, 1.0374

# Trichromacy



## Original Color

21.1177, 11.0818, 1.0260

## Protanomaly

12.2930, 9.1334, 1.5670

## Deuteranomaly

13.5767, 9.5562, 1.1290

## Tritanomaly

20.9099, 11.0330, 1.0275

# Monochromacy



## Original Color

21.1177, 11.0818, 1.0260

## Achromatopsia

4.8732, 5.1269, 5.5832

## Achromatomaly

7.6453, 5.2881, 2.7156

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.1177, 11.0818, 1.0260 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(189, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 12, 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(189, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 12, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 21.1177, 11.0818, 1.0260 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(189, 12, 0) }
```



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

```
.border{ border-color:rgb(189, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 12, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 21.1177, 11.0818, 1.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 12, 0) }
```

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

```
.background{ background-color: rgb(189, 12,  
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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