

Converting Colors

XYZ(21.9722, 11.9557, 1.1496)

Have a look what the booklet for
XYZ(21.9722, 11.9557, 1.1496)
contains.

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Color

**XYZ(21.9011, 11.9069,
1.1439)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1C00
RGB	191, 28, 0
RGB Percent	75%, 11%, 0%
CMY	0.2510, 0.8901, 1.0000
CMYK	0.00, 0.85, 1.00, 0.25
HSL	9°, 100%, 37%
HSV	9°, 100%, 75%
XYZ	21.9011, 11.9069, 1.1439
YIQ	73.5450, 106.1360, 25.8480

Conversions

Conversions Part 2

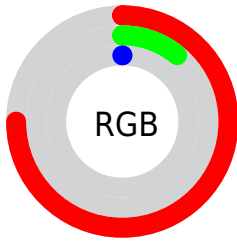
Format	Color
R _Y B	191, 33, 0
Decimal	12524544
CIE Lab	41.07, 60.55, 54.59
CIE LCh	41, 81.527, 42.035
Yxy	11.9069, 0.6266, 0.3407
Android (android.graphics.Color)	4290714624 (0xFFBF1C00)
YUV	73.5450, -36.2577, 103.0080
Hunter-Lab	34.5064, 52.9073, 22.1890

Details

The XYZ color **21.9011, 11.9069, 1.1439** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.4976, 29.9490, 53.8847**, and the grayscale version is **6.4789, 6.8163, 7.4229**.

A 20% lighter version of the original color is **45.6870, 29.1622, 6.4697**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.9014, 11.9077, 1.1441**, and if you desaturate by 10%, it is **22.5166, 12.9487, 1.9332**.

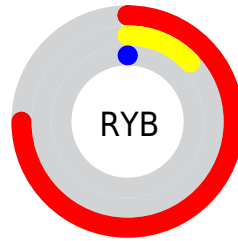
Distribution



Red (75%)

Green (11%)

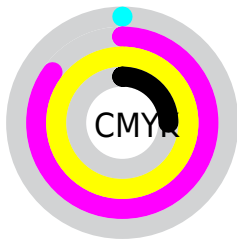
Blue (0%)



Red (75%)

Yellow (13%)

Blue (0%)

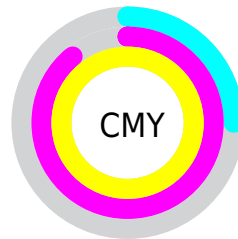


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9011, 11.9069, 1.1439 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 21.9011, 11.9069, 1.1439 by changing the saturation by 10% instead.


 21.9011, 11.9069,
1.1439

 21.9011, 11.9069,
1.1439


 254.6714,
203.7880, 107.2185


 13.9004, 6.6803,
0.0000


 46.0626, 29.3254,
6.5301

 8.1327, 3.2630,
0.0000


 62.9541, 42.2862,
11.8646


 4.2325, 1.2705,
0.0000

 83.5399, 58.5937,
19.5180

 1.8345, 0.1182,
0.0000

 108.1854, 78.6325,
29.9090


 0.5383, 0.0000,
0.0000


 137.2560,
102.7870, 43.4559


 0.0000, 0.0000,
0.0000


 171.1169,


131.4414, 60.5775


 210.1336,
164.9803, 81.6922


 21.9011, 11.9069,
1.1439


 21.9011, 11.9069,
1.1439


 21.9014, 11.9077,
1.1441

 22.5166, 12.9487,
1.9332

 23.4870, 14.5140,
3.4143

 24.8795, 16.6702,
5.8166

 26.7370, 19.4694,
9.2593

 29.0971, 22.9578,
13.8436

■ 31.9934, 27.1773,
19.6586

■ 35.4564, 32.1664,
26.7845

■ 39.5146, 37.9610,
35.2947

■ 44.1942, 44.5947,
45.2574

Harmonies

Analogous

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



26.2753, 11.9069, 7.3389



21.9011, 11.9069, 1.1439



15.1547, 11.9069, 0.0000

Triad

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



21.9011, 11.9069, 1.1439



3.6332, 11.9069, 5.3487



13.8294, 11.9069, 76.9243

Complementary

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



21.9011, 11.9069, 1.1439



22.4976, 29.9490, 53.8847

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.



8.1892, 11.9069, 74.1310



21.9011, 11.9069, 1.1439



3.4937, 11.9069, 20.9122

Square

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



21.9011, 11.9069, 1.1439



5.3309, 11.9069, 0.7169



4.8480, 11.9069, 48.7296



20.6477, 11.9069, 54.6529

Rectangle

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



21.9011, 11.9069, 1.1439



10.9222, 11.9069, 0.0000



4.8480, 11.9069, 48.7296



11.7215, 11.9069, 79.2014

Sweetspot

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



21.9014, 11.9077, 1.1441



63.1850, 57.1542, 47.3104



28.3258, 13.8123, 37.0251



13.2701, 11.6813, 9.1385



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.9014, 11.9077, 1.1441



39.1209, 21.1169, 2.0141



28.3189, 24.7428, 3.2833



9.6401, 9.7562, 9.9517



14.4305, 7.8997, 0.7642



0.6018, 0.3826, 0.0421

Inverse Universe

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



22.4976, 29.9490, 53.8847



40.1530, 53.3579, 96.4619



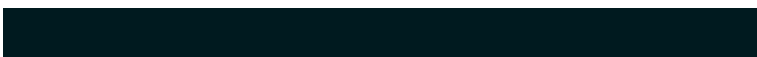
11.5961, 8.1460, 50.2509



9.6861, 10.5645, 12.2008



14.8312, 19.7742, 35.4280



0.6139, 0.8406, 1.3987

Previews

White Background



This preview shows how the XYZ color 21.9011, 11.9069, 1.1439 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 21.9011, 11.9069, 1.1439

Background



This preview shows how black text looks on a background with the XYZ color 21.9011, 11.9069, 1.1439.



This preview shows how white text looks on a background with the XYZ color 21.9011, 11.9069,

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

21.9011, 11.9069, 1.1439

Protanopia

11.1823, 12.3691, 2.6623

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

22.0427, 11.9262, 2.0044

Trichromacy



Original Color

21.9011, 11.9069, 1.1439

Protanomaly

13.2840, 10.3750, 1.7544

Deuteranomaly

14.3409, 10.5521, 1.2809

Tritanomaly

21.9640, 11.8947, 1.5902

Monochromacy



Original Color

21.9011, 11.9069, 1.1439

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.3123, 6.9134, 3.5329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9011, 11.9069, 1.1439 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(191, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 28, 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(191, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 28, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.9011, 11.9069, 1.1439 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(191, 28, 0) }
```


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

```
.border{ border-color:rgb(191, 28, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9011, 11.9069, 1.1439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 28, 0) }
```

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

```
.background{ background-color: rgb(191, 28,  
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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