

Converting Colors

XYZ(21.6257, 11.1396, 1.4133)

Have a look what the booklet for
XYZ(21.6257, 11.1396, 1.4133)
contains.

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Color

**XYZ(21.5651, 11.1081,
1.4229)**

Conversions

Conversions Part 1	
Format	Color
Hex	BF000E
RGB	191, 0, 14
RGB Percent	75%, 0%, 5%
CMY	0.2510, 0.9998, 0.9451
CMYK	0.00, 1.00, 0.93, 0.25
HSL	356°, 100%, 37%
HSV	356°, 100%, 75%
XYZ	21.5651, 11.1081, 1.4229
YIQ	58.7050, 109.3420, 44.8460

Conversions

Conversions Part 2

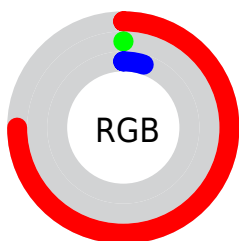
Format	Color
RYB	191, 0, 14
Decimal	12517390
CIELab	39.76, 64.61, 49.03
CIELCh	40, 81.105, 37.197
Yxy	11.1081, 0.6325, 0.3258
Android (android.graphics.Color)	4290707470 (0xFFBF000E)
YUV	58.7050, -22.0396, 116.0227
Hunter-Lab	33.3288, 57.1713, 20.7989

Details

The XYZ color **21.5651, 11.1081, 1.4229** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.5708, 40.4374, 48.0201**, and the grayscale version is **4.1383, 4.3538, 4.7413**.

A 20% lighter version of the original color is **45.0996, 27.6315, 7.3713**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.5647, 11.1079, 1.4216**, and if you desaturate by 10%, it is **21.9776, 11.6494, 2.4357**.

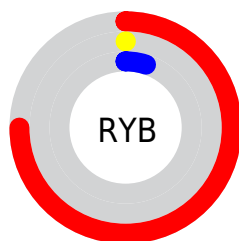
Distribution



Red (75%)

Green (0%)

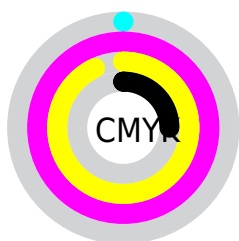
Blue (5%)



Red (75%)

Yellow (0%)

Blue (5%)

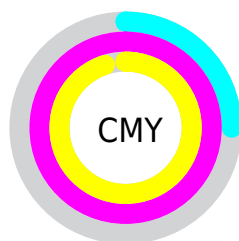


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5651, 11.1081, 1.4229 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 21.5651, 11.1081, 1.4229 by changing the saturation by 10% instead.


 21.5651, 11.1081,
1.4229


 21.5651, 11.1081,
1.4229


 252.9419,
198.4077, 112.6513


 13.6525, 6.1396,
0.1595


 45.5104, 27.8599,
7.3927


 7.9595, 2.9301,
0.0000


 62.2737, 40.4120,
13.1394


 4.1206, 1.0954,
0.0000


 82.7181, 56.2607,
21.2852

 1.7706, 0.0000,
0.0000

 107.2088, 75.7904,
32.2488

 0.4999, 0.0000,
0.0000


 136.1112, 99.3856,
46.4486


 0.0000, 0.0000,
0.0000


 169.7906,


127.4306, 64.3033


 208.6124,
160.3098, 86.2314


 21.5651, 11.1081,
1.4229


 21.5651, 11.1081,
1.4229


 21.5647, 11.1079,
1.4216


 21.9776, 11.6494,
2.4357


 22.7494, 12.7030,
4.2039


 23.9820, 14.4427,
6.8513


 25.7328, 16.9588,
10.4728

 28.0506, 20.3277,
15.1506

 30.9789, 24.6170,
20.9586

 34.5567, 29.8872,
27.9637

 38.8198, 36.1937,
36.2279

 43.8015, 43.5880,
45.8086

Harmonies

Analogous

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



25.1079, 11.1081, 8.6511



21.5651, 11.1081, 1.4229



15.2656, 11.1081, 0.0000

Triad

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



21.5651, 11.1081, 1.4229



3.4523, 11.1081, 3.6875



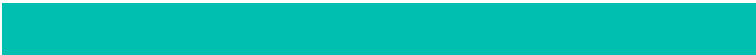
11.9543, 11.1081, 74.9718

Complementary

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



21.5651, 11.1081, 1.4229



26.5708, 40.4374, 48.0201

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.



6.9337, 11.1081, 67.9443



21.5651, 11.1081, 1.4229



3.1079, 11.1081, 16.3491

Square

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



21.5651, 11.1081, 1.4229



5.3249, 11.1081, 0.2761



4.1276, 11.1081, 41.6423



18.4272, 11.1081, 56.5323

Rectangle

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



21.5651, 11.1081, 1.4229



11.0893, 11.1081, 0.0000



4.1276, 11.1081, 41.6423



10.0438, 11.1081, 75.6641

Sweetspot

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



21.5653, 11.1088, 1.4230



61.5459, 53.0179, 49.4097



27.1028, 12.8863, 50.3485



12.8877, 10.7173, 9.6250



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.



21.5653, 11.1088, 1.4230



38.5912, 19.8818, 2.3794



24.3258, 16.7561, 1.9533



9.5577, 9.5474, 10.0599



14.1839, 7.3047, 0.9962



0.5654, 0.2900, 0.0904

Inverse Universe

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



21.5653, 11.1088, 1.4230



38.5912, 19.8818, 2.3794



15.1361, 15.2253, 51.4307



9.5577, 9.5474, 10.0599



14.1839, 7.3047, 0.9962



0.5654, 0.2900, 0.0904

Previews

White Background



This preview shows how the XYZ color 21.5651, 11.1081, 1.4229 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 21.5651, 11.1081, 1.4229 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 21.5651, 11.1081, 1.4229

Background



This preview shows how black text looks on a background with the XYZ color 21.5651, 11.1081, 1.4229.



This preview shows how white text looks on a background with the XYZ color 21.5651, 11.1081,

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

21.5651, 11.1081, 1.4229

Protanopia

10.7064, 11.8365, 3.0167

Deuteranopia





11.8532, 11.7919, 1.6513



Tritanopia

21.4515, 11.3798, 1.0659

Trichromacy

	Original Color 21.5651, 11.1081, 1.4229
	Protanomaly 12.3793, 8.9187, 1.9887
	Deuteranomaly 13.6240, 9.3419, 1.2287
	Tritanomaly 21.3823, 11.1975, 1.1779

Monochromacy

	Original Color 21.5651, 11.1081, 1.4229
	Achromatopsia 4.1570, 4.3735, 4.7627
	Achromatomaly 7.1926, 4.6864, 2.8110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5651, 11.1081, 1.4229 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, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 14)  
}
```

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, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 21.5651, 11.1081, 1.4229 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, 0, 14) }
```

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

```
.border{ border-color:rgb(191, 0, 14) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5651, 11.1081, 1.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 14) }
```

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

```
.background{ background-color: rgb(191, 0,  
14) }
```

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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