

Converting Colors

XYZ(21.3318, 13.4612, 1.4750)

Have a look what the booklet for
XYZ(21.3318, 13.4612, 1.4750)
contains.

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Color

**XYZ(21.4359, 13.5278,
1.4813)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | B83D00 |
| RGB | 184, 61, 0 |
| RGB Percent | 72%, 24%, 0% |
| CMY | 0.2784, 0.7608, 1.0000 |
| CMYK | 0.00, 0.67, 1.00, 0.28 |
| HSL | 20°, 100%, 36% |
| HSV | 20°, 100%, 72% |
| XYZ | 21.4359, 13.5278, 1.4813 |
| YIQ | 90.8230, 92.8890, 7.1050 |

Conversions

Conversions Part 2

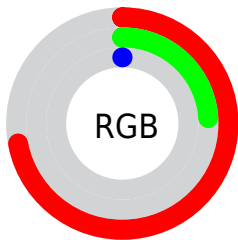
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 91, 0 |
| Decimal | 12074240 |
| CIELab | 43.55, 47.68, 54.92 |
| CIElCh | 44, 72.730, 49.041 |
| Yxy | 13.5278, 0.5882, 0.3712 |
| Android (android.graphics.Color) | 4290264320 (0xFFB83D00) |
| YUV | 90.8230, -44.7757, 81.7162 |
| Hunter-Lab | 36.7802, 39.6666, 23.3582 |

Details

The XYZ color **21.4359, 13.5278, 1.4813** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **15.7338, 17.6248, 47.9197**, and the grayscale version is **9.9881, 10.5082, 11.4435**.

A 20% lighter version of the original color is **45.4425, 32.2766, 7.5763**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **21.4361, 13.5285, 1.4815**, and if you desaturate by 10%, it is **22.2823, 15.0408, 2.3184**.

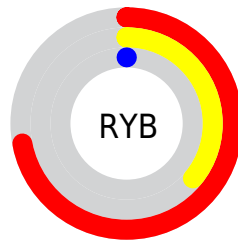
Distribution



Red (72%)

Green (24%)

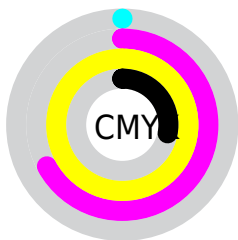
Blue (0%)



Red (72%)

Yellow (36%)

Blue (0%)

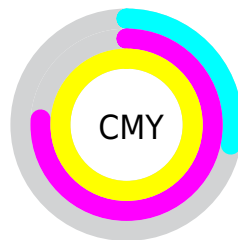


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4359, 13.5278, 1.4813 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 21.4359, 13.5278, 1.4813 by changing the saturation by 10% instead.


 21.4359, 13.5278,
1.4813


 21.4359, 13.5278,
1.4813


 252.2742,
214.2731, 113.7170

 13.5573, 7.7930,
0.2039


 45.2977, 32.2488,
7.5669


 7.8930, 3.9628,
0.0000


 62.0116, 46.0038,
13.3946

 4.0778, 1.6528,
0.0000

 82.4013, 63.2009,
21.6369

 1.7462, 0.3928,
0.0000

 106.8321, 84.2246,
32.7124

 0.4850, 0.0000,
0.0000


 135.6695,
109.4593, 47.0397


 0.0000, 0.0000,
0.0000


 169.2787,


139.2894, 65.0371


 208.0252,
174.0992, 87.1234


 21.4359, 13.5278,
1.4813

 21.4359, 13.5278,
1.4813


 21.4361, 13.5285,
1.4815

 22.2823, 15.0408,
2.3184

 23.3943, 16.9155,
3.7659

 24.8203, 19.1857,
6.0348

 26.5877, 21.8754,
9.2294

 28.7204, 25.0062,
13.4384

■ 31.2399, 28.5979,
18.7400

■ 34.1659, 32.6693,
25.2047

■ 37.5166, 37.2379,
32.8968

■ 41.3091, 42.3202,
41.8761

Harmonies

Analogous

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



26.2044, 13.5278, 6.6955



21.4359, 13.5278, 1.4813



15.0496, 13.5278, 0.2572

Triad

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



21.4359, 13.5278, 1.4813



4.8354, 13.5278, 9.5440



16.7634, 13.5278, 68.5572

Complementary

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



21.4359, 13.5278, 1.4813



15.7338, 17.6248, 47.9197

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.



10.8898, 13.5278, 71.7899



21.4359, 13.5278, 1.4813



5.0461, 13.5278, 27.4839

Square

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



21.4359, 13.5278, 1.4813



6.2439, 13.5278, 2.2635



6.9413, 13.5278, 53.2700



23.0042, 13.5278, 46.2528

Rectangle

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



21.4359, 13.5278, 1.4813



11.2156, 13.5278, 0.2276



6.9413, 13.5278, 53.2700



14.6529, 13.5278, 72.3142

Sweetspot

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



21.4362, 13.5286, 1.4815



61.6508, 58.8302, 45.0493



23.5157, 11.6898, 20.6655



12.7960, 11.9978, 8.6079



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.4362, 13.5286, 1.4815



38.6638, 24.1335, 2.6204



30.7159, 32.0881, 4.5748



9.2414, 9.4857, 9.4508



14.8324, 9.4412, 1.0406



0.5812, 0.4495, 0.0561

Inverse Universe

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



15.7338, 17.6248, 47.9197



28.2935, 31.4931, 86.7922



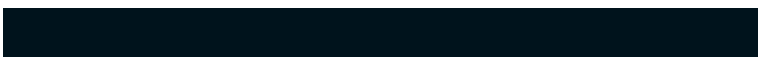
9.2161, 4.5896, 45.7472



9.0090, 9.6952, 11.4760



10.9106, 12.2808, 33.0485



0.4389, 0.5414, 1.1831

Previews

White Background



This preview shows how the XYZ color 21.4359, 13.5278, 1.4813 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 21.4359, 13.5278, 1.4813 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 21.4359, 13.5278, 1.4813

Background



This preview shows how black text looks on a background with the XYZ color 21.4359, 13.5278, 1.4813.



This preview shows how white text looks on a background with the XYZ color 21.4359, 13.5278,

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

21.4359, 13.5278, 1.4813

Protanopia

12.4040, 13.7296, 2.6124

Deuteranopia

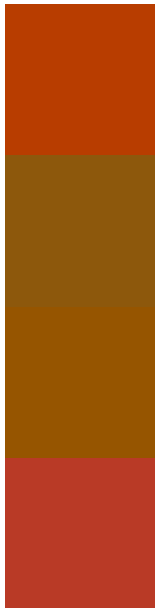
13.8219, 13.7490, 1.9253



Tritanopia

22.2863, 13.5668, 5.7190

Trichromacy



Original Color

21.4359, 13.5278, 1.4813

Protanomaly

14.5406, 12.6687, 2.0268

Deuteranomaly

15.8262, 12.9810, 1.6715

Tritanomaly

21.8705, 13.4803, 3.2830

Monochromacy



Original Color

21.4359, 13.5278, 1.4813

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.0898, 10.4028, 5.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4359, 13.5278, 1.4813 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(184, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 61, 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(184, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4359, 13.5278, 1.4813 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(184, 61, 0) }
```


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

```
.border{ border-color:rgb(184, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4359, 13.5278, 1.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 61, 0) }
```

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

```
.background{ background-color: rgb(184, 61,  
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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