

Converting Colors

XYZ(21.0301, 10.8363, 1.2129)

Have a look what the booklet for
XYZ(21.0301, 10.8363, 1.2129)
contains.

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Color

**XYZ(21.0301, 10.8363,
1.2129)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0008
RGB	189, 0, 8
RGB Percent	74%, 0%, 3%
CMY	0.2588, 0.9999, 0.9686
CMYK	0.00, 1.00, 0.96, 0.26
HSL	357°, 100%, 37%
HSV	357°, 100%, 74%
XYZ	21.0301, 10.8363, 1.2129
YIQ	57.4230, 110.0760, 42.5560

Conversions

Conversions Part 2

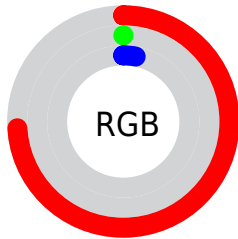
Format	Color
RYB	189, 0, 8
Decimal	12386312
CIELab	39.30, 64.04, 50.68
CIELCh	39, 81.669, 38.360
Yxy	10.8363, 0.6357, 0.3276
Android (android.graphics.Color)	4290576392 (0xFFBD0008)
YUV	57.4230, -24.3655, 115.3930
Hunter-Lab	32.9185, 56.4278, 20.8584

Details

The XYZ color **21.0301, 10.8363, 1.2129** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.5418, 39.7327, 50.0041**, and the grayscale version is **3.9682, 4.1749, 4.5464**.

A 20% lighter version of the original color is **44.6289, 27.4008, 6.8076**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.0298, 10.8362, 1.2120**, and if you desaturate by 10%, it is **21.4055, 11.3573, 2.0473**.

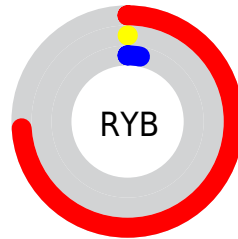
Distribution



Red (74%)

Green (0%)

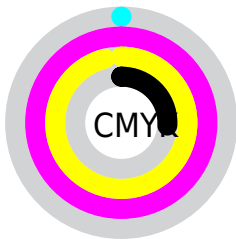
Blue (3%)



Red (74%)

Yellow (0%)

Blue (3%)

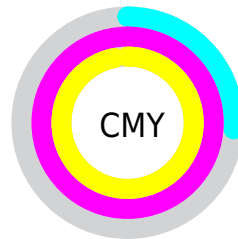


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0301, 10.8363, 1.2129 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 21.0301, 10.8363, 1.2129 by changing the saturation by 10% instead.


 21.0301, 10.8363,
1.2129


 21.0301, 10.8363,
1.2129


 250.1671,
196.5410, 108.6206


 13.2586, 5.9569,
0.0000


 44.6285, 27.3571,
6.7486


 7.6851, 2.8189,
0.0000


 61.1861, 39.7672,
12.1893


 3.9442, 1.0379,
0.0000

 81.4032, 55.4563,
19.9699

 1.6706, 0.0000,
0.0000

 105.6450, 74.8088,
30.5090


 0.4378, 0.0000,
0.0000


 134.2769, 98.2092,
44.2250


 0.0000, 0.0000,
0.0000


 167.6644,


126.0417, 61.5366


 206.1726,
158.6909, 82.8623


 21.0301, 10.8363,
1.2129


 21.0301, 10.8363,
1.2129


 21.0298, 10.8362,
1.2120

 21.4055, 11.3573,
2.0473

 22.1324, 12.3777,
3.6258

 23.3141, 14.0699,
6.0890

 25.0086, 16.5225,
9.5406

 27.2654, 19.8109,
14.0701

■ 30.1282, 24.0012,
19.7570

■ 33.6362, 29.1531,
26.6733

■ 37.8255, 35.3211,
34.8852

■ 42.7296, 42.5555,
44.4540

Harmonies

Analogous

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



24.7245, 10.8363, 7.9171



21.0301, 10.8363, 1.2129



14.7175, 10.8363, 0.0000

Triad

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



21.0301, 10.8363, 1.2129



3.2606, 10.8363, 3.7781



11.9166, 10.8363, 74.3932

Complementary

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



21.0301, 10.8363, 1.2129



26.5418, 39.7327, 50.0041

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.



6.8682, 10.8363, 68.3700



21.0301, 10.8363, 1.2129



2.9750, 10.8363, 16.7785

Square

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



21.0301, 10.8363, 1.2129



5.0277, 10.8363, 0.2605



4.0290, 10.8363, 42.3874



18.3652, 10.8363, 55.1126

Rectangle

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



21.0301, 10.8363, 1.2129



10.6055, 10.8363, 0.0000



4.0290, 10.8363, 42.3874



9.9996, 10.8363, 75.4553

Sweetspot

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



21.0303, 10.8370, 1.2130



59.9020, 51.7123, 47.1022



27.9037, 13.3243, 49.2450



12.2863, 10.2455, 8.9570



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.



21.0303, 10.8370, 1.2130



37.6430, 19.3991, 2.0568



24.2402, 17.3265, 2.0677



9.5460, 9.5427, 9.9984



14.1567, 7.2939, 0.8531



0.5602, 0.2880, 0.0631

Inverse Universe

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



21.0303, 10.8370, 1.2130



37.6430, 19.3991, 2.0568



14.1324, 13.5678, 50.0178



9.5460, 9.5427, 9.9984



14.1567, 7.2939, 0.8531



0.5602, 0.2880, 0.0631

Previews

White Background



This preview shows how the XYZ color 21.0301, 10.8363, 1.2129 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 21.0301, 10.8363, 1.2129

Background



This preview shows how black text looks on a background with the XYZ color 21.0301, 10.8363, 1.2129.



This preview shows how white text looks on a background with the XYZ color 21.0301, 10.8363,

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

21.0301, 10.8363, 1.2129

Protanopia

10.4441, 11.5707, 2.7198

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9395, 11.0923, 1.0374

Trichromacy



Original Color

21.0301, 10.8363, 1.2129

Protanomaly

12.1115, 8.7064, 1.7040

Deuteranomaly

13.2065, 9.0524, 1.1374

Tritanomaly

20.8751, 10.9373, 1.0970

Monochromacy



Original Color

21.0301, 10.8363, 1.2129

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.8228, 4.4115, 2.4114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0301, 10.8363, 1.2129 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, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 8)  
}
```

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, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 21.0301, 10.8363, 1.2129 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, 0, 8) }
```


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

```
.border{ border-color:rgb(189, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(189, 0, 8); box-shadow:4px  
4px 4px 4px rgb(189, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0301, 10.8363, 1.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 8) }
```

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

```
.background{ background-color: rgb(189, 0,  
8) }
```

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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