

Converting Colors

XYZ(20.9624, 10.8007, 1.2449)

Have a look what the booklet for
XYZ(20.9624, 10.8007, 1.2449)
contains.

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Color

**XYZ(21.0356, 10.8385,
1.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0009
RGB	189, 0, 9
RGB Percent	74%, 0%, 4%
CMY	0.2588, 0.9999, 0.9647
CMYK	0.00, 1.00, 0.95, 0.26
HSL	357°, 100%, 37%
HSV	357°, 100%, 74%
XYZ	21.0356, 10.8385, 1.2418
YIQ	57.5370, 109.7550, 42.8670

Conversions

Conversions Part 2

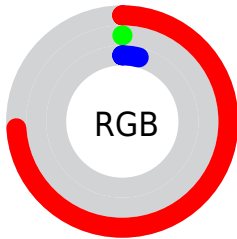
Format	Color
RYB	189, 0, 9
Decimal	12386313
CIELab	39.31, 64.05, 50.34
CIElCh	39, 81.463, 38.165
Yxy	10.8385, 0.6352, 0.3273
Android (android.graphics.Color)	4290576393 (0xFFBD0009)
YUV	57.5370, -23.9287, 115.2931
Hunter-Lab	32.9219, 56.4402, 20.8089

Details

The XYZ color **21.0356, 10.8385, 1.2418** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.4393, 39.6918, 49.4645**, and the grayscale version is **3.9829, 4.1903, 4.5632**.

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 **21.0353, 10.8384, 1.2409**, and if you desaturate by 10%, it is **21.4158, 11.3614, 2.1014**.

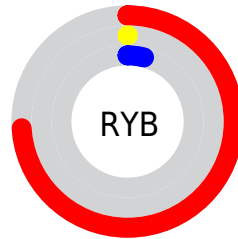
Distribution



Red (74%)

Green (0%)

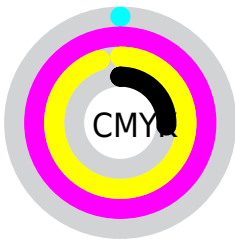
Blue (4%)



Red (74%)

Yellow (0%)

Blue (4%)

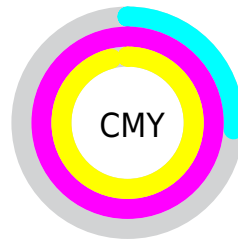


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0356, 10.8385, 1.2418 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 21.0356, 10.8385, 1.2418 by changing the saturation by 10% instead.


 21.0356, 10.8385,
1.2418


 21.0356, 10.8385,
1.2418


 250.1958,
196.5562, 109.1956


 13.2626, 5.9583,
0.0134


 44.6376, 27.3611,
6.8391


 7.6879, 2.8198,
0.0000


 61.1974, 39.7724,
12.3233


 3.9460, 1.0384,
0.0000

 81.4167, 55.4628,
20.1560

 1.6716, 0.0000,
0.0000

 105.6611, 74.8168,
30.7558


 0.4384, 0.0000,
0.0000


 134.2959, 98.2188,
44.5411


 0.0000, 0.0000,
0.0000


 167.6863,


126.0530, 61.9304


 206.1978,
158.7040, 83.3424


 21.0356, 10.8385,
1.2418


 21.0356, 10.8385,
1.2418


 21.0353, 10.8384,
1.2409

 21.4158, 11.3614,
2.1014

 22.1477, 12.3838,
3.7064

 23.3336, 14.0777,
6.1916

 25.0311, 16.5315,
9.6588

 27.2893, 19.8204,
14.1958

■ 30.1517, 24.0106,
19.8808

■ 33.6573, 29.1615,
26.7846

■ 37.8421, 35.3277,
34.9722

■ 42.7391, 42.5593,
44.5042

Harmonies

Analogous

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



24.6902, 10.8385, 8.0059



21.0356, 10.8385, 1.2418



14.7500, 10.8385, 0.0000

Triad

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



21.0356, 10.8385, 1.2418



3.2793, 10.8385, 3.7478



11.8755, 10.8385, 74.1938

Complementary

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



21.0356, 10.8385, 1.2418



26.4393, 39.6918, 49.4645

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.



6.8518, 10.8385, 68.0261



21.0356, 10.8385, 1.2418



2.9852, 10.8385, 16.6391

Square

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



21.0356, 10.8385, 1.2418



5.0568, 10.8385, 0.2602



4.0294, 10.8385, 42.0928



18.3024, 10.8385, 55.1299

Rectangle

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



21.0356, 10.8385, 1.2418



10.6436, 10.8385, 0.0000



4.0294, 10.8385, 42.0928



9.9672, 10.8385, 75.1898

Sweetspot

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



21.0358, 10.8392, 1.2419



59.9401, 51.7276, 47.3031



27.9037, 13.3243, 49.2450



12.2949, 10.2490, 9.0027



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.



21.0358, 10.8392, 1.2419



37.6505, 19.4021, 2.0963



24.2402, 17.3265, 2.0677



9.5480, 9.5435, 10.0089



14.1613, 7.2957, 0.8773



0.5611, 0.2883, 0.0678

Inverse Universe

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



21.0358, 10.8392, 1.2419



37.6505, 19.4021, 2.0963



14.1324, 13.5678, 50.0178



9.5480, 9.5435, 10.0089



14.1613, 7.2957, 0.8773



0.5611, 0.2883, 0.0678

Previews

White Background



This preview shows how the XYZ color 21.0356, 10.8385, 1.2418 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 21.0356, 10.8385, 1.2418

Background



This preview shows how black text looks on a background with the XYZ color 21.0356, 10.8385, 1.2418.



This preview shows how white text looks on a background with the XYZ color 21.0356, 10.8385,

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

21.0356, 10.8385, 1.2418

Protanopia

10.4441, 11.5707, 2.7198

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9395, 11.0923, 1.0374

Trichromacy



Original Color

21.0356, 10.8385, 1.2418

Protanomaly

12.1115, 8.7064, 1.7040

Deuteranomaly

13.2065, 9.0524, 1.1374

Tritanomaly

20.8751, 10.9373, 1.0970

Monochromacy



Original Color

21.0356, 10.8385, 1.2418

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.9884, 4.5405, 2.5156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0356, 10.8385, 1.2418 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 9) }
```

Border

The CSS property to change the border of an element to XYZ 21.0356, 10.8385, 1.2418 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, 9) }
```


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

```
.border{ border-color:rgb(189, 0, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(189, 0, 9); box-shadow:4px  
4px 4px 4px rgb(189, 0, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0356, 10.8385, 1.2418 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, 9) }
```

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

```
.background{ background-color: rgb(189, 0,  
9) }
```

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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