

Converting Colors

XYZ(20.9824, 10.8087, 1.3498)

Have a look what the booklet for
XYZ(20.9824, 10.8087, 1.3498)
contains.

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Color

**XYZ(21.0589, 10.8479,
1.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	BD000D
RGB	189, 0, 13
RGB Percent	74%, 0%, 5%
CMY	0.2588, 0.9999, 0.9490
CMYK	0.00, 1.00, 0.93, 0.26
HSL	356°, 100%, 37%
HSV	356°, 100%, 74%
XYZ	21.0589, 10.8479, 1.3647
YIQ	57.9930, 108.4710, 44.1110

Conversions

Conversions Part 2

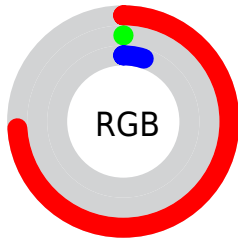
Format	Color
RYB	189, 0, 13
Decimal	12386317
CIELab	39.32, 64.09, 48.93
CIElCh	39, 80.633, 37.358
Yxy	10.8479, 0.6329, 0.3260
Android (android.graphics.Color)	4290576397 (0xFFBD000D)
YUV	57.9930, -22.1815, 114.8931
Hunter-Lab	32.9362, 56.4921, 20.5986

Details

The XYZ color **21.0589, 10.8479, 1.3647** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.0380, 39.5311, 47.3512**, and the grayscale version is **4.0421, 4.2527, 4.6311**.

A 20% lighter version of the original color is **44.7060, 27.4317, 7.2135**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.0585, 10.8477, 1.3635**, and if you desaturate by 10%, it is **21.4600, 11.3792, 2.3345**.

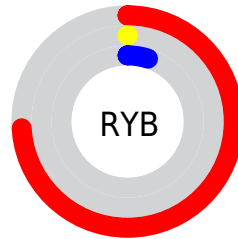
Distribution



Red (74%)

Green (0%)

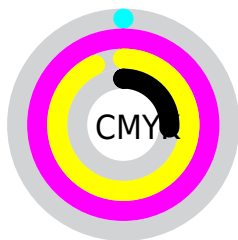
Blue (5%)



Red (74%)

Yellow (0%)

Blue (5%)

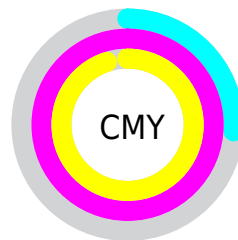


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0589, 10.8479, 1.3647 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 21.0589, 10.8479, 1.3647 by changing the saturation by 10% instead.


 21.0589, 10.8479,
1.3647


 21.0589, 10.8479,
1.3647


 250.3171,
196.6211, 111.5668


 13.2798, 5.9647,
0.1140


 44.6761, 27.3786,
7.2171


 7.6998, 2.8236,
0.0000


 61.2448, 39.7948,
12.8813


 3.9536, 1.0403,
0.0000

 81.4742, 55.4907,
20.9289

 1.6759, 0.0000,
0.0000

 105.7295, 74.8509,
31.7785

 0.4411, 0.0000,
0.0000


 134.3760, 98.2596,
45.8485


 0.0000, 0.0000,
0.0000


 167.7793,


126.1013, 63.5575


 206.3045,
158.7603, 85.3241


 21.0589, 10.8479,
1.3647


 21.0589, 10.8479,
1.3647


 21.0585, 10.8477,
1.3635

 21.4600, 11.3792,
2.3345

 22.2118, 12.4097,
4.0434

 23.4141, 14.1102,
6.6146

 25.1230, 16.5688,
10.1417

 27.3866, 19.8600,
14.7064

■ 30.2472, 24.0497,
20.3815

■ 33.7431, 29.1969,
27.2334

■ 37.9093, 35.3558,
35.3231

■ 42.7784, 42.5765,
44.7074

Harmonies

Analogous

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



24.5512, 10.8479, 8.3757



21.0589, 10.8479, 1.3647



14.8840, 10.8479, 0.0000

Triad

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



21.0589, 10.8479, 1.3647



3.3566, 10.8479, 3.6255



11.7089, 10.8479, 73.3861

Complementary

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



21.0589, 10.8479, 1.3647



26.0380, 39.5311, 47.3512

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.



6.7855, 10.8479, 66.6354



21.0589, 10.8479, 1.3647



3.0273, 10.8479, 16.0779

Square

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



21.0589, 10.8479, 1.3647



5.1772, 10.8479, 0.2591



4.0313, 10.8479, 40.9050



18.0484, 10.8479, 55.2029

Rectangle

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



21.0589, 10.8479, 1.3647



10.8003, 10.8479, 0.0000



4.0313, 10.8479, 40.9050



9.8359, 10.8479, 74.1145

Sweetspot

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



21.0591, 10.8486, 1.3648



60.0934, 51.7889, 48.1100



26.4751, 12.5880, 49.1780



12.3298, 10.2630, 9.1864



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.



21.0591, 10.8486, 1.3648



37.6860, 19.4163, 2.2833



23.7658, 16.3779, 1.9098



9.5560, 9.5467, 10.0509



14.1797, 7.3031, 0.9742



0.5646, 0.2897, 0.0864

Inverse Universe

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



21.0591, 10.8486, 1.3648



37.6860, 19.4163, 2.2833



14.7903, 14.8836, 50.2369



9.5560, 9.5467, 10.0509



14.1797, 7.3031, 0.9742



0.5646, 0.2897, 0.0864

Previews

White Background



This preview shows how the XYZ color 21.0589, 10.8479, 1.3647 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 21.0589, 10.8479, 1.3647

Background



This preview shows how black text looks on a background with the XYZ color 21.0589, 10.8479, 1.3647.



This preview shows how white text looks on a background with the XYZ color 21.0589, 10.8479,

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

21.0589, 10.8479, 1.3647

Protanopia

10.4806, 11.5853, 2.9121

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9395, 11.0923, 1.0374

Trichromacy



Original Color

21.0589, 10.8479, 1.3647

Protanomaly

12.1501, 8.7218, 1.9072

Deuteranomaly

13.2175, 9.0568, 1.1951

Tritanomaly

20.8861, 10.9417, 1.1547

Monochromacy



Original Color

21.0589, 10.8479, 1.3647

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.0233, 4.5545, 2.6994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0589, 10.8479, 1.3647 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, 13)` looks like.

```
.text, #text, p{  
  color:rgb(189, 0, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 21.0589, 10.8479, 1.3647 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, 13) }
```


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

```
.border{ border-color:rgb(189, 0, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0589, 10.8479, 1.3647 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, 13) }
```

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

```
.background{ background-color: rgb(189, 0,  
13) }
```

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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