

Converting Colors

XYZ(20.5096, 9.5566, 1.2792)

Have a look what the booklet for
XYZ(20.5096, 9.5566, 1.2792)
contains.

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Color

**XYZ(21.0874, 10.8593,
1.5149)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0011
RGB	189, 0, 17
RGB Percent	74%, 0%, 7%
CMY	0.2588, 0.9998, 0.9333
CMYK	0.00, 1.00, 0.91, 0.26
HSL	355°, 100%, 37%
HSV	355°, 100%, 74%
XYZ	21.0874, 10.8593, 1.5149
YIQ	58.4490, 107.1870, 45.3550

Conversions

Conversions Part 2

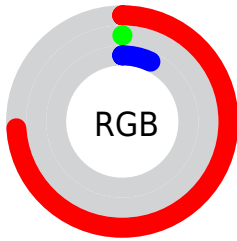
Format	Color
RYB	189, 0, 17
Decimal	12386321
CIELab	39.34, 64.14, 47.32
CIELCh	39, 79.708, 36.414
Yxy	10.8593, 0.6302, 0.3245
Android (android.graphics.Color)	4290576401 (0xFFBD0011)
YUV	58.4490, -20.4344, 114.4932
Hunter-Lab	32.9535, 56.5562, 20.3418

Details

The XYZ color **21.0874, 10.8593, 1.5149** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.6479, 39.3751, 45.2971**, and the grayscale version is **4.1015, 4.3151, 4.6992**.

A 20% lighter version of the original color is **44.7875, 27.4643, 7.6432**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.0869, 10.8591, 1.5135**, and if you desaturate by 10%, it is **21.5095, 11.3990, 2.5953**.

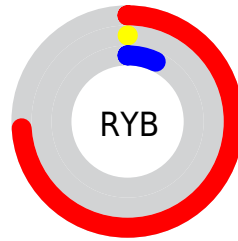
Distribution



Red (74%)

Green (0%)

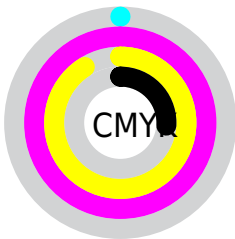
Blue (7%)



Red (74%)

Yellow (0%)

Blue (7%)

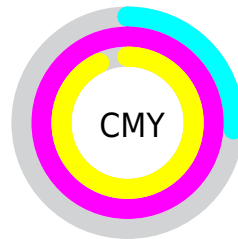


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0874, 10.8593, 1.5149 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 21.0874, 10.8593, 1.5149 by changing the saturation by 10% instead.


 21.0874, 10.8593,
1.5149


 21.0874, 10.8593,
1.5149


 250.4655,
196.6997, 114.3205


 13.3007, 5.9723,
0.2290


 44.7231, 27.3997,
7.6663


 7.7144, 2.8282,
0.0000


 61.3029, 39.8219,
13.5399


 3.9630, 1.0427,
0.0000

 81.5444, 55.5246,
21.8368

 1.6812, 0.0000,
0.0000

 105.8130, 74.8922,
32.9756

 0.4445, 0.0000,
0.0000


 134.4741, 98.3091,
47.3749


 0.0000, 0.0000,
0.0000


 167.8929,


126.1598, 65.4531


 206.4350,
158.8285, 87.6288


 21.0874, 10.8593,
1.5149


 21.0874, 10.8593,
1.5149

 21.0869, 10.8591,
1.5135

 21.5095, 11.3990,
2.5953

 22.2805, 12.4372,
4.4055

 23.4984, 14.1440,
7.0585

 25.2178, 16.6067,
10.6410

 27.4858, 19.8997,
15.2287

■ 30.3437, 24.0883,
20.8897

■ 33.8290, 29.2313,
27.6858

■ 37.9760, 35.3825,
35.6743

■ 42.8167, 42.5918,
44.9088

Harmonies

Analogous

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



24.3950, 10.8593, 8.8132



21.0874, 10.8593, 1.5149



15.0396, 10.8593, 0.0000

Triad

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



21.0874, 10.8593, 1.5149



3.4466, 10.8593, 3.4889



11.5209, 10.8593, 72.4774

Complementary

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



21.0874, 10.8593, 1.5149



25.6479, 39.3751, 45.2971

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.



6.7103, 10.8593, 65.0747



21.0874, 10.8593, 1.5149



3.0759, 10.8593, 15.4523

Square

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



21.0874, 10.8593, 1.5149



5.3174, 10.8593, 0.2578



4.0334, 10.8593, 39.5772



17.7619, 10.8593, 55.2926

Rectangle

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



21.0874, 10.8593, 1.5149



10.9823, 10.8593, 0.0000



4.0334, 10.8593, 39.5772



9.6877, 10.8593, 72.9050

Sweetspot

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



21.0876, 10.8600, 1.5150



60.2485, 51.8510, 48.9270



25.7855, 12.2324, 49.1456



12.3652, 10.2771, 9.3728



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.



21.0876, 10.8600, 1.5150



37.7310, 19.4343, 2.5203



23.5448, 15.9358, 1.8361



9.5640, 9.5499, 10.0931



14.2008, 7.3115, 1.0851



0.5681, 0.2912, 0.1051

Inverse Universe

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



21.0876, 10.8600, 1.5150



37.7310, 19.4343, 2.5203



15.1372, 15.5773, 50.3525



9.5640, 9.5499, 10.0931



14.2008, 7.3115, 1.0851



0.5681, 0.2912, 0.1051

Previews

White Background



This preview shows how the XYZ color 21.0874, 10.8593, 1.5149 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 21.0874, 10.8593, 1.5149

Background



This preview shows how black text looks on a background with the XYZ color 21.0874, 10.8593, 1.5149.



This preview shows how white text looks on a background with the XYZ color 21.0874, 10.8593,

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

21.0874, 10.8593, 1.5149

Protanopia

10.5350, 11.6070, 3.1985

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9395, 11.0923, 1.0374

Trichromacy



Original Color

21.0874, 10.8593, 1.5149

Protanomaly

12.1949, 8.7397, 2.1428

Deuteranomaly

13.2230, 9.0590, 1.2239

Tritanomaly

20.8916, 10.9439, 1.1836

Monochromacy



Original Color

21.0874, 10.8593, 1.5149

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.0415, 4.5617, 2.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0874, 10.8593, 1.5149 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 21.0874, 10.8593, 1.5149 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, 17) }
```


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

```
.border{ border-color:rgb(189, 0, 17) }
```

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, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0874, 10.8593, 1.5149 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, 17) }
```

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

```
.background{ background-color: rgb(189, 0,  
17) }
```

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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