

Converting Colors

XYZ(20.8601, 10.7353, 1.8132)

Have a look what the booklet for
XYZ(20.8601, 10.7353, 1.8132)
contains.

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Color

**XYZ(20.9039, 10.7573,
1.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	BC0018
RGB	188, 0, 24
RGB Percent	74%, 0%, 9%
CMY	0.2627, 0.9999, 0.9059
CMYK	0.00, 1.00, 0.87, 0.26
HSL	352°, 100%, 37%
HSV	352°, 100%, 74%
XYZ	20.9039, 10.7573, 1.8388
YIQ	58.9480, 104.3440, 47.3200

Conversions

Conversions Part 2

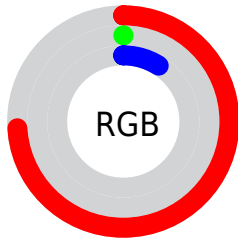
Format	Color
RYB	188, 0, 24
Decimal	12320792
CIELab	39.17, 64.01, 43.81
CIElCh	39, 77.567, 34.385
Yxy	10.7573, 0.6240, 0.3211
Android (android.graphics.Color)	4290510872 (0xFFBC0018)
YUV	58.9480, -17.2294, 113.1786
Hunter-Lab	32.7983, 56.3693, 19.6348

Details

The XYZ color **20.9039, 10.7573, 1.8388** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.6874, 38.6479, 41.2964**, and the grayscale version is **4.1653, 4.3822, 4.7722**.

A 20% lighter version of the original color is **44.5995, 27.3469, 8.5581**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **20.9034, 10.7571, 1.8371**, and if you desaturate by 10%, it is **21.3589, 11.3074, 3.1005**.

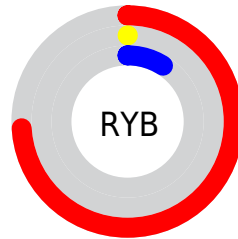
Distribution



Red (74%)

Green (0%)

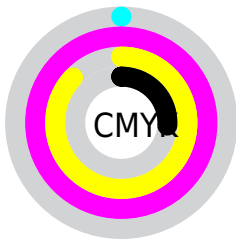
Blue (9%)



Red (74%)

Yellow (0%)

Blue (9%)

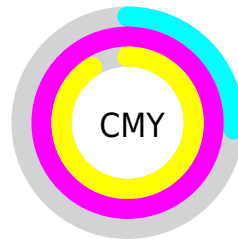


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9039, 10.7573, 1.8388 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 20.9039, 10.7573, 1.8388 by changing the saturation by 10% instead.


 20.9039, 10.7573,
1.8388


 20.9039, 10.7573,
1.8388


249.5087,
195.9948, 119.8212


 13.1658, 5.9039,
0.4534


 44.4200, 27.2105,
8.5952


 7.6206, 2.7867,
0.0000


 60.9288, 39.5791,
14.8882


 3.9029, 1.0214,
0.0000

 81.0918, 55.2215,
23.6825

 1.6474, 0.0000,
0.0000

 105.2745, 74.5221,
35.3965

 0.4230, 0.0000,
0.0000


 133.8422, 97.8653,
50.4488


 0.0000, 0.0000,
0.0000


 167.1602,


125.6356, 69.2580


 205.5939,
158.2173, 92.2427


 20.9039, 10.7573,
1.8388


 20.9039, 10.7573,
1.8388


 20.9034, 10.7571,
1.8371

 21.3589, 11.3074,
3.1005

 22.1541, 12.3478,
5.0614

 23.3838, 14.0458,
7.8185

 25.0999, 16.4869,
11.4460

 27.3470, 19.7438,
16.0095

■ 30.1644, 23.8802,
21.5681

■ 33.5878, 28.9537,
28.1760

■ 37.6499, 35.0170,
35.8837

■ 42.3811, 42.1188,
44.7382

Harmonies

Analogous

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



23.7971, 10.7573, 9.6558



20.9039, 10.7573, 1.8388



15.1888, 10.7573, 0.0000

Triad

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



20.9039, 10.7573, 1.8388



3.5959, 10.7573, 3.1789



11.0087, 10.7573, 69.8114

Complementary

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



20.9039, 10.7573, 1.8388



24.6874, 38.6479, 41.2964

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.



6.4802, 10.7573, 61.2088



20.9039, 10.7573, 1.8388



3.1412, 10.7573, 14.0431

Square

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



20.9039, 10.7573, 1.8388



5.5509, 10.7573, 0.2460



3.9907, 10.7573, 36.4927



16.9799, 10.7573, 54.8457

Rectangle

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



20.9039, 10.7573, 1.8388



11.2351, 10.7573, 0.0000



3.9907, 10.7573, 36.4927



9.2764, 10.7573, 69.6352

Sweetspot

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



20.9041, 10.7580, 1.8389



60.5296, 51.9634, 50.4073



24.1688, 11.4115, 48.5054



12.4296, 10.3029, 9.7117



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.



20.9041, 10.7580, 1.8389



37.8366, 19.4766, 3.0762



22.8644, 14.9421, 1.6800



9.5784, 9.5556, 10.1686



14.2479, 7.3303, 1.3332



0.5745, 0.2937, 0.1384

Inverse Universe

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



20.9041, 10.7580, 1.8389



37.8366, 19.4766, 3.0762



15.6837, 16.8435, 50.0011



9.5784, 9.5556, 10.1686



14.2479, 7.3303, 1.3332



0.5745, 0.2937, 0.1384

Previews

White Background



This preview shows how the XYZ color 20.9039, 10.7573, 1.8388 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 20.9039, 10.7573, 1.8388

Background



This preview shows how black text looks on a background with the XYZ color 20.9039, 10.7573, 1.8388.



This preview shows how white text looks on a background with the XYZ color 20.9039, 10.7573,

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

20.9039, 10.7573, 1.8388

Protanopia

10.4363, 11.4087, 3.7499

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.6940, 10.9657, 1.0259

Trichromacy



Original Color

20.9039, 10.7573, 1.8388

Protanomaly

12.0726, 8.5873, 2.6113

Deuteranomaly

13.1895, 8.9657, 1.2938

Tritanomaly

20.6625, 10.8239, 1.2586

Monochromacy



Original Color

20.9039, 10.7573, 1.8388

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.1301, 4.6477, 3.1061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9039, 10.7573, 1.8388 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(188, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 24)  
}
```

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(188, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 24) }
```

Border

The CSS property to change the border of an element to XYZ 20.9039, 10.7573, 1.8388 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(188, 0, 24) }
```


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

```
.border{ border-color:rgb(188, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9039, 10.7573, 1.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 24) }
```

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

```
.background{ background-color: rgb(188, 0,  
24) }
```

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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