

Converting Colors

XYZ(19.4460, 10.7475, 1.0496)

Have a look what the booklet for
XYZ(19.4460, 10.7475, 1.0496)
contains.

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Color

**XYZ(19.5460, 10.8037,
1.0551)**

Conversions

Conversions Part 1

Format	Color
Hex	B51F00
RGB	181, 31, 0
RGB Percent	71%, 12%, 0%
CMY	0.2902, 0.8784, 1.0000
CMYK	0.00, 0.83, 1.00, 0.29
HSL	10°, 100%, 35%
HSV	10°, 100%, 71%
XYZ	19.5460, 10.8037, 1.0551
YIQ	72.3160, 99.3510, 22.1590

Conversions

Conversions Part 2

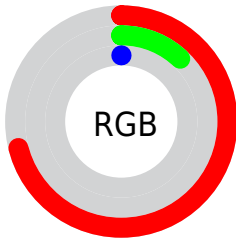
Format	Color
R _Y B	181, 37, 0
Decimal	11869952
CIE Lab	39.25, 56.99, 52.62
CIE LCh	39, 77.565, 42.715
Yxy	10.8037, 0.6224, 0.3440
Android (android.graphics.Color)	4290060032 (0xFFB51F00)
YUV	72.3160, -35.6518, 95.3159
Hunter-Lab	32.8690, 48.6268, 21.1051

Details

The XYZ color **19.5460, 10.8037, 1.0551** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.2444, 25.1441, 47.5546**, and the grayscale version is **6.2628, 6.5890, 7.1754**.

A 20% lighter version of the original color is **42.1032, 27.3147, 6.3020**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.5462, 10.8044, 1.0553**, and if you desaturate by 10%, it is **20.1434, 11.8226, 1.7969**.

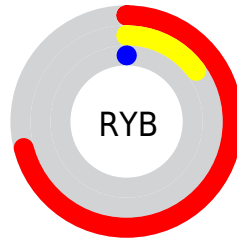
Distribution



Red (71%)

Green (12%)

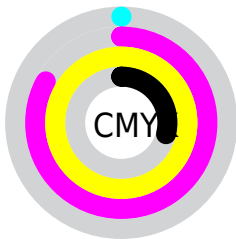
Blue (0%)



Red (71%)

Yellow (15%)

Blue (0%)

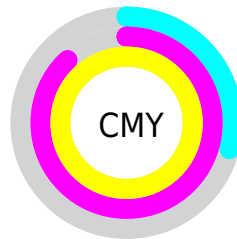


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5460, 10.8037, 1.0551 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 19.5460, 10.8037, 1.0551 by changing the saturation by 10% instead.


 19.5460, 10.8037,
1.0551


 19.5460, 10.8037,
1.0551


 242.3273,
196.3158, 105.3476


 12.1718, 5.9350,
0.0000


 42.1645, 27.2966,
6.2431


 6.9338, 2.8056,
0.0000


 58.1395, 39.6896,
11.4361


 3.4667, 1.0311,
0.0000

 77.7121, 55.3595,
18.9198

 1.4051, 0.0000,
0.0000

 101.2477, 74.6906,
29.1127

 0.2599, 0.0000,
0.0000


 129.1117, 98.0674,
42.4334


 0.0000, 0.0000,
0.0000


 161.6694,


125.8743, 59.3004


 199.2861,
158.4956, 80.1323


 19.5460, 10.8037,
1.0551


 19.5460, 10.8037,
1.0551

 19.5462, 10.8044,
1.0553

 20.1434, 11.8226,
1.7969

 21.0467, 13.2909,
3.1412

 22.3139, 15.2631,
5.2970

 23.9804, 17.7804,
8.3675

 26.0774, 20.8798,
12.4405

■ 28.6327, 24.5952,
17.5935

■ 31.6718, 28.9575,
23.8962

■ 35.2182, 33.9957,
31.4127

■ 39.2941, 39.7371,
40.2020

Harmonies

Analogous

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



23.4957, 10.8037, 6.5045



19.5460, 10.8037, 1.0551



13.5478, 10.8037, 0.0000

Triad

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



19.5460, 10.8037, 1.0551



3.3586, 10.8037, 5.1242



12.6391, 10.8037, 67.9567

Complementary

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



19.5460, 10.8037, 1.0551



19.2444, 25.1441, 47.5546

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.



7.5664, 10.8037, 66.0647



19.5460, 10.8037, 1.0551



3.2612, 10.8037, 19.2893

Square

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



19.5460, 10.8037, 1.0551



4.8552, 10.8037, 0.7466



4.5198, 10.8037, 44.0065



18.6897, 10.8037, 48.0287

Rectangle

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



19.5460, 10.8037, 1.0551



9.8007, 10.8037, 0.0000



4.5198, 10.8037, 44.0065



10.7512, 10.8037, 70.1447

Sweetspot

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



19.5462, 10.8044, 1.0553



56.4300, 51.4429, 42.1815



24.6282, 12.0526, 30.2353



11.6895, 10.3928, 8.0594



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5462, 10.8044, 1.0553



34.8945, 19.1252, 1.8524



25.8527, 23.4174, 3.1574



8.6102, 8.7329, 8.8843



13.5111, 7.5207, 0.7395



0.4608, 0.3079, 0.0352

Inverse Universe

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



19.2444, 25.1441, 47.5546



34.3189, 44.7375, 85.1210



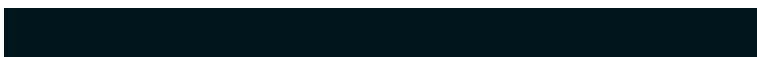
9.9738, 6.6029, 44.4644



8.6163, 9.3788, 10.8625



13.3112, 17.4228, 32.7983



0.4515, 0.6135, 1.0429

Previews

White Background



This preview shows how the XYZ color 19.5460, 10.8037, 1.0551 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 19.5460, 10.8037, 1.0551

Background



This preview shows how black text looks on a background with the XYZ color 19.5460, 10.8037, 1.0551.



This preview shows how white text looks on a background with the XYZ color 19.5460, 10.8037,

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

19.5460, 10.8037, 1.0551

Protanopia

10.0914, 11.1275, 2.3750

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

19.7050, 10.7863, 2.1420

Trichromacy



Original Color

19.5460, 10.8037, 1.0551

Protanomaly

12.0054, 9.5247, 1.6212

Deuteranomaly

13.0516, 9.7970, 1.2031

Tritanomaly

19.6295, 10.7960, 1.6215

Monochromacy



Original Color

19.5460, 10.8037, 1.0551

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.6384, 6.5683, 3.3973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5460, 10.8037, 1.0551 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(181, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 31, 0)  
}
```

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(181, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 31, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5460, 10.8037, 1.0551 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(181, 31, 0) }
```


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

```
.border{ border-color:rgb(181, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 31, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5460, 10.8037, 1.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 31, 0) }
```

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

```
.background{ background-color: rgb(181, 31,  
0) }
```

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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