

Converting Colors

XYZ(19.2247, 10.1152, 0.9392)

Have a look what the booklet for
XYZ(19.2247, 10.1152, 0.9392)
contains.

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Color

**XYZ(19.2000, 10.1116,
0.9398)**

Conversions

Conversions Part 1

Format	Color
Hex	B50D00
RGB	181, 13, 0
RGB Percent	71%, 5%, 0%
CMY	0.2902, 0.9489, 1.0000
CMYK	0.00, 0.93, 1.00, 0.29
HSL	4°, 100%, 35%
HSV	4°, 100%, 71%
XYZ	19.2000, 10.1116, 0.9398
YIQ	61.7500, 104.3010, 31.5730

Conversions

Conversions Part 2

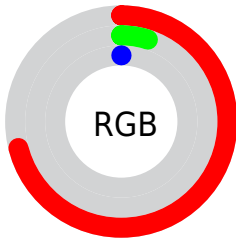
Format	Color
RYB	181, 14, 0
Decimal	11865344
CIELab	38.04, 60.44, 52.15
CIElCh	38, 79.824, 40.789
Yxy	10.1116, 0.6347, 0.3343
Android (android.graphics.Color)	4290055424 (0xFFB50D00)
YUV	61.7500, -30.4428, 104.5823
Hunter-Lab	31.7987, 52.1300, 20.5068

Details

The XYZ color **19.2000, 10.1116, 0.9398** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **22.3381, 31.3315, 48.5860**, and the grayscale version is **4.5768, 4.8151, 5.2436**.

A 20% lighter version of the original color is **41.6750, 26.0096, 5.8415**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.2002, 10.1122, 0.9399**, and if you desaturate by 10%, it is **19.6258, 10.7874, 1.6244**.

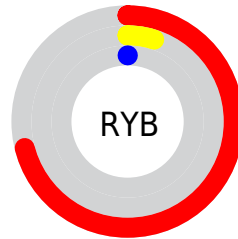
Distribution



Red (71%)

Green (5%)

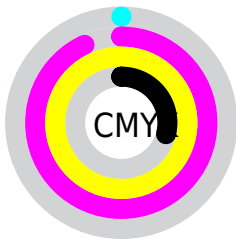
Blue (0%)



Red (71%)

Yellow (5%)

Blue (0%)

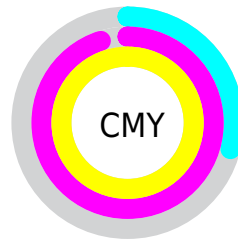


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2000, 10.1116, 0.9398 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 19.2000, 10.1116, 0.9398 by changing the saturation by 10% instead.


 19.2000, 10.1116,
0.9398


 19.2000, 10.1116,
0.9398


 240.4676,
191.4667, 102.7954


 11.9197, 5.4730,
0.0000


 41.5860, 26.0052,
5.8601


 6.7609, 2.5274,
0.0000


 57.4225, 38.0290,
10.8605


 3.3580, 0.8903,
0.0000

 76.8418, 53.2833,
18.1125

 1.3458, 0.0000,
0.0000

 100.2093, 72.1526,
28.0346

 0.2171, 0.0000,
0.0000


 127.8902, 95.0212,
41.0454


 0.0000, 0.0000,
0.0000


 160.2500,


122.2734, 57.5635


 197.6540,
154.2938, 78.0073


 19.2000, 10.1116,
0.9398


 19.2000, 10.1116,
0.9398


 19.2002, 10.1122,
0.9399

 19.6258, 10.7874,
1.6244

 20.3789, 11.9553,
2.9187

 21.5297, 13.6945,
5.0358

 23.1233, 16.0660,
8.0820

 25.1988, 19.1225,
12.1479

■ 27.7909, 22.9114,
17.3133

■ 30.9311, 27.4759,
23.6498

■ 34.6484, 32.8559,
31.2233

■ 38.9698, 39.0883,
40.0947

Harmonies

Analogous

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



22.9501, 10.1116, 6.5169



19.2000, 10.1116, 0.9398



13.2422, 10.1116, 0.0000

Triad

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



19.2000, 10.1116, 0.9398



2.9742, 10.1116, 4.0771



11.5815, 10.1116, 68.7601

Complementary

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



19.2000, 10.1116, 0.9398



22.3381, 31.3315, 48.5860

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.



6.7125, 10.1116, 65.1769



19.2000, 10.1116, 0.9398



2.8057, 10.1116, 17.2017

Square

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



19.2000, 10.1116, 0.9398



4.4933, 10.1116, 0.3603



3.9032, 10.1116, 41.7709



17.6181, 10.1116, 49.3339

Rectangle

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



19.2000, 10.1116, 0.9398



9.4753, 10.1116, 0.0000



3.9032, 10.1116, 41.7709



9.7475, 10.1116, 70.4612

Sweetspot

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



19.2002, 10.1122, 0.9399



55.0908, 48.7646, 41.7351



26.2111, 12.6858, 38.5702



11.3813, 9.7763, 7.9567



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.



19.2002, 10.1122, 0.9399



34.3277, 17.9915, 1.6634



23.8632, 19.4383, 2.4943



8.5439, 8.6002, 8.8622



13.2567, 7.0119, 0.6547



0.4333, 0.2529, 0.0260

Inverse Universe

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



22.3381, 31.3315, 48.5860



39.9355, 55.9707, 86.9932



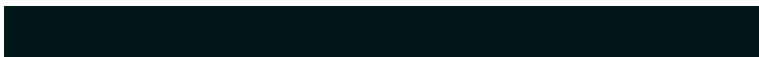
11.0958, 8.8468, 44.8386



8.6893, 9.5248, 10.8868



15.4211, 21.6426, 33.5016



0.5007, 0.7119, 1.0593

Previews

White Background



This preview shows how the XYZ color 19.2000, 10.1116, 0.9398 looks on a white background.

Color Contrast Check

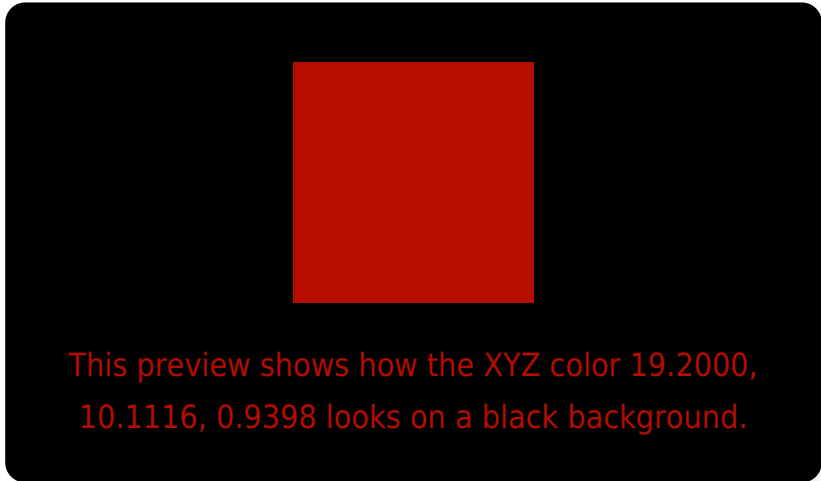
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2000, 10.1116, 0.9398

Background



This preview shows how black text looks on a background with the XYZ color 19.2000, 10.1116, 0.9398.



This preview shows how white text looks on a background with the XYZ color 19.2000, 10.1116,

0.9398.

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

19.2000, 10.1116, 0.9398

Protanopia

9.5753, 10.5997, 2.3519

Deuteranopia

10.6107, 10.5294, 1.4731



Tritanopia

19.2413, 10.1943, 0.9536

Trichromacy



Original Color

19.2000, 10.1116, 0.9398

Protanomaly

11.2238, 8.4148, 1.4846

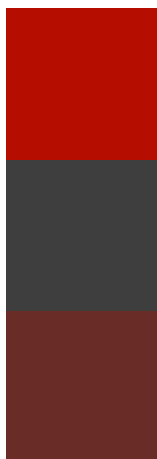
Deuteranomaly

12.4311, 8.8072, 1.0448

Tritanomaly

19.2269, 10.1654, 0.9487

Monochromacy



Original Color

19.2000, 10.1116, 0.9398

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.0926, 4.9511, 2.5013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2000, 10.1116, 0.9398 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 13, 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, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.2000, 10.1116, 0.9398 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, 13, 0) }
```


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

```
.border{ border-color:rgb(181, 13, 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, 13, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2000, 10.1116, 0.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 13, 0) }
```

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

```
.background{ background-color: rgb(181, 13,  
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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