

Converting Colors

XYZ(19.3391, 10.3714, 0.9829)

Have a look what the booklet for
XYZ(19.3391, 10.3714, 0.9829)
contains.

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Color

**XYZ(19.3242, 10.3601,
0.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	B51500
RGB	181, 21, 0
RGB Percent	71%, 8%, 0%
CMY	0.2902, 0.9176, 1.0000
CMYK	0.00, 0.88, 1.00, 0.29
HSL	7°, 100%, 35%
HSV	7°, 100%, 71%
XYZ	19.3242, 10.3601, 0.9812
YIQ	66.4460, 102.1010, 27.3890

Conversions

Conversions Part 2

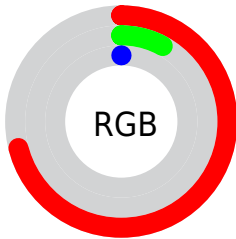
Format	Color
R_{YB}	181, 24, 0
Decimal	11867392
CIE Lab	38.48, 59.17, 52.31
CIE LCh	38, 78.983, 41.478
Yxy	10.3601, 0.6302, 0.3378
Android (android.graphics.Color)	4290057472 (0xFFB51500)
YUV	66.4460, -32.7579, 100.4639
Hunter-Lab	32.1871, 50.8387, 20.7236

Details

The XYZ color **19.3242, 10.3601, 0.9812** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.9076, 28.4705, 48.1090**, and the grayscale version is **5.2881, 5.5635, 6.0586**.

A 20% lighter version of the original color is **41.9314, 26.4874, 6.0345**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.3244, 10.3607, 0.9813**, and if you desaturate by 10%, it is **19.8280, 11.1920, 1.6918**.

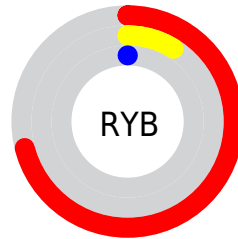
Distribution



Red (71%)

Green (8%)

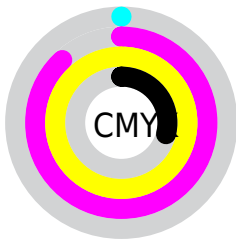
Blue (0%)



Red (71%)

Yellow (9%)

Blue (0%)

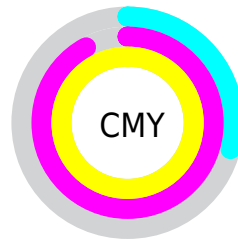


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3242, 10.3601, 0.9812 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 19.3242, 10.3601, 0.9812 by changing the saturation by 10% instead.


 19.3242, 10.3601,
0.9812


 19.3242, 10.3601,
0.9812


 241.1366,
193.2232, 103.7268


 12.0102, 5.6384,
0.0000


 41.7939, 26.4706,
5.9988


 6.8229, 2.6265,
0.0000


 57.6802, 38.6282,
11.0694

 3.3969, 0.9400,
0.0000

 77.1547, 54.0332,
18.4059

 1.3670, 0.0000,
0.0000

 100.5826, 73.0700,
28.4270


 0.2325, 0.0000,
0.0000


 128.3295, 96.1231,
41.5511


 0.0000, 0.0000,
0.0000


 160.7605,


123.5767, 58.1967


 198.2411,
155.8152, 78.7824


 19.3242, 10.3601,
0.9812


 19.3242, 10.3601,
0.9812


 19.3244, 10.3607,
0.9813

 19.8280, 11.1920,
1.6918

 20.6512, 12.5000,
3.0095

 21.8578, 14.3509,
5.1451

 23.4882, 16.7958,
8.2036

 25.5774, 19.8798,
12.2740

■ 28.1570, 23.6437,
17.4351

■ 31.2555, 28.1249,
23.7577

■ 34.8994, 33.3580,
31.3067

■ 39.1133, 39.3754,
40.1421

Harmonies

Analogous

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



23.1461, 10.3601, 6.5125



19.3242, 10.3601, 0.9812



13.3524, 10.3601, 0.0000

Triad

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



19.3242, 10.3601, 0.9812



3.1110, 10.3601, 4.4407



11.9595, 10.3601, 68.4573

Complementary

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



19.3242, 10.3601, 0.9812



20.9076, 28.4705, 48.1090

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.



7.0160, 10.3601, 65.4910



19.3242, 10.3601, 0.9812



2.9668, 10.3601, 17.9433

Square

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



19.3242, 10.3601, 0.9812



4.6233, 10.3601, 0.5014



4.1213, 10.3601, 42.5722



18.0026, 10.3601, 48.8495

Rectangle

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



19.3242, 10.3601, 0.9812



9.5928, 10.3601, 0.0000



4.1213, 10.3601, 42.5722



10.1055, 10.3601, 70.3362

Sweetspot

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



19.3244, 10.3608, 0.9813



55.6773, 49.9375, 41.9306



25.6577, 12.4644, 35.6566



11.5159, 10.0455, 8.0016



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.



19.3244, 10.3608, 0.9813



34.5266, 18.3893, 1.7297



24.4819, 20.6758, 2.7005



8.5732, 8.6590, 8.8720



13.3494, 7.1974, 0.6857



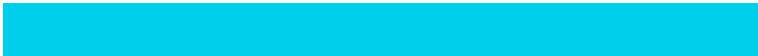
0.4455, 0.2774, 0.0301

Inverse Universe

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



20.9076, 28.4705, 48.1090



37.3366, 50.7729, 86.1269



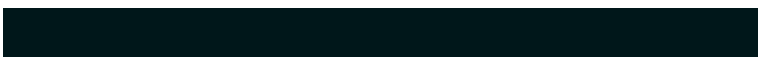
10.6837, 8.0228, 44.7011



8.6567, 9.4597, 10.8760



14.4461, 19.6925, 33.1766



0.4782, 0.6670, 1.0518

Previews

White Background



This preview shows how the XYZ color 19.3242, 10.3601, 0.9812 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 19.3242, 10.3601, 0.9812

Background



This preview shows how black text looks on a background with the XYZ color 19.3242, 10.3601, 0.9812.



This preview shows how white text looks on a background with the XYZ color 19.3242, 10.3601,

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

19.3242, 10.3601, 0.9812

Protanopia

9.7779, 10.8336, 2.3864

Deuteranopia

10.6922, 10.6925, 1.5003



Tritanopia

19.3924, 10.3586, 1.4292

Trichromacy



Original Color

19.3242, 10.3601, 0.9812

Protanomaly

11.6091, 8.9543, 1.5684

Deuteranomaly

12.6486, 9.2422, 1.1173

Tritanomaly

19.3610, 10.3460, 1.2637

Monochromacy



Original Color

19.3242, 10.3601, 0.9812

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.7429, 5.6365, 2.8704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3242, 10.3601, 0.9812 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 21, 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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.3242, 10.3601, 0.9812 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, 21, 0) }
```


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

```
.border{ border-color:rgb(181, 21, 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, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3242, 10.3601, 0.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 21, 0) }
```

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

```
.background{ background-color: rgb(181, 21,  
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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