

Converting Colors

XYZ(18.9461, 11.3301, 1.1884)

Have a look what the booklet for
XYZ(18.9461, 11.3301, 1.1884)
contains.

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Color

**XYZ(18.9614, 11.3440,
1.1902)**

Conversions

Conversions Part 1

Format	Color
Hex	B03000
RGB	176, 48, 0
RGB Percent	69%, 19%, 0%
CMY	0.3098, 0.8117, 1.0000
CMYK	0.00, 0.73, 1.00, 0.31
HSL	16°, 100%, 35%
HSV	16°, 100%, 69%
XYZ	18.9614, 11.3440, 1.1902
YIQ	80.8000, 91.6960, 12.2080

Conversions

Conversions Part 2

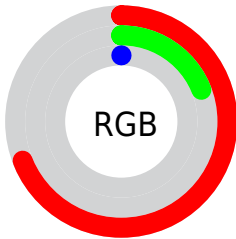
Format	Color
R_{YB}	176, 66, 0
Decimal	11546624
CIE Lab	40.15, 50.11, 52.43
CIE LCh	40, 72.528, 46.295
Yxy	11.3440, 0.6020, 0.3602
Android (android.graphics.Color)	4289736704 (0xFFB03000)
YUV	80.8000, -39.8344, 83.4904
Hunter-Lab	33.6809, 41.5491, 21.4814

Details

The XYZ color **18.9614, 11.3440, 1.1902** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.5543, 18.5703, 43.8385**, and the grayscale version is **7.8458, 8.2544, 8.9890**.

A 20% lighter version of the original color is **41.0895, 28.3083, 6.6665**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **18.9616, 11.3447, 1.1903**, and if you desaturate by 10%, it is **19.6688, 12.5895, 1.9486**.

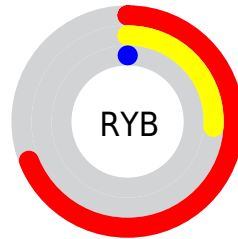
Distribution



Red (69%)

Green (19%)

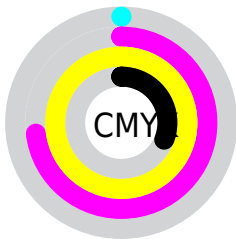
Blue (0%)



Red (69%)

Yellow (26%)

Blue (0%)

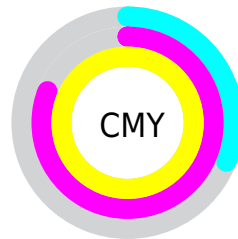


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9614, 11.3440, 1.1902 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 18.9614, 11.3440, 1.1902 by changing the saturation by 10% instead.


 18.9614, 11.3440,
1.1902


 18.9614, 11.3440,
1.1902


 239.1778,
200.0126, 108.1640


 11.7462, 6.2987,
0.0000


 41.1862, 28.2945,
6.6772

 6.6421, 3.0276,
0.0000


 56.9266, 40.9686,
12.0832


 3.2836, 1.1461,
0.0000

 76.2395, 56.9544,
19.8224

 1.3055, 0.0170,
0.0000

 99.4901, 76.6362,
30.3133

 0.1873, 0.0000,
0.0000


 127.0439,
100.3986, 43.9743


 0.0000, 0.0000,
0.0000


 159.2662,


128.6259, 61.2241


 196.5224,
161.7024, 82.4812


 18.9614, 11.3440,
1.1902


 18.9614, 11.3440,
1.1902


 18.9616, 11.3447,
1.1903

 19.6688, 12.5895,
1.9486

 20.6333, 14.1979,
3.2587

 21.9027, 16.2059,
5.3178

 23.5038, 18.6399,
8.2199

 25.4604, 21.5239,
12.0452

■ 27.7938, 24.8798,
16.8642

■ 30.5235, 28.7282,
22.7409

■ 33.6677, 33.0882,
29.7335

■ 37.2431, 37.9781,
37.8960

Harmonies

Analogous

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



23.0175, 11.3440, 6.0855



18.9614, 11.3440, 1.1902



13.2454, 11.3440, 0.0000

Triad

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



18.9614, 11.3440, 1.1902



3.8409, 11.3440, 6.8732



13.7367, 11.3440, 62.7444

Complementary

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



18.9614, 11.3440, 1.1902



15.5543, 18.5703, 43.8385

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.



8.6449, 11.3440, 63.7089



18.9614, 11.3440, 1.1902



3.8981, 11.3440, 21.8921

Square

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



18.9614, 11.3440, 1.1902



5.1835, 11.3440, 1.3866



5.3760, 11.3440, 45.2474



19.4163, 11.3440, 43.1718

Rectangle

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



18.9614, 11.3440, 1.1902



9.7539, 11.3440, 0.0000



5.3760, 11.3440, 45.2474



11.8802, 11.3440, 65.5868

Sweetspot

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



18.9616, 11.3447, 1.1904



55.0817, 51.7145, 40.6354



21.8712, 10.8168, 21.7270



11.4802, 10.5660, 7.8145



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.9616, 11.3447, 1.1904



34.2285, 20.2516, 2.1049



26.5589, 26.5392, 3.7228



8.6788, 8.8700, 8.9072



13.9555, 8.4095, 0.8877



0.4888, 0.3641, 0.0445

Inverse Universe

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



15.5543, 18.5703, 43.8385



28.0126, 33.2848, 79.4435



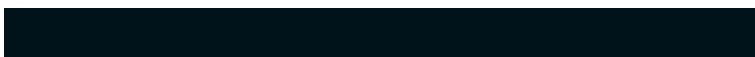
8.6316, 4.7251, 41.5309



8.5427, 9.2317, 10.8380



11.4631, 13.7266, 32.1823



0.4061, 0.5228, 1.0277

Previews

White Background



This preview shows how the XYZ color 18.9614, 11.3440, 1.1902 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 18.9614, 11.3440, 1.1902

Background



This preview shows how black text looks on a background with the XYZ color 18.9614, 11.3440, 1.1902.



This preview shows how white text looks on a background with the XYZ color 18.9614, 11.3440,

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

18.9614, 11.3440, 1.1902

Protanopia

10.4935, 11.6044, 2.3486

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

19.5630, 11.4211, 3.7582

Trichromacy



Original Color

18.9614, 11.3440, 1.1902

Protanomaly

12.5415, 10.6076, 1.7672

Deuteranomaly

13.5006, 10.6949, 1.3528

Tritanomaly

19.3302, 11.3898, 2.3420

Monochromacy



Original Color

18.9614, 11.3440, 1.1902

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.9504, 8.2172, 4.3104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9614, 11.3440, 1.1902 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(176, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 48, 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(176, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9614, 11.3440, 1.1902 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(176, 48, 0) }
```


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

```
.border{ border-color:rgb(176, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9614, 11.3440, 1.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 48, 0) }
```

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

```
.background{ background-color: rgb(176, 48,  
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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