

Converting Colors

XYZ(18.5376, 9.9096, 1.4032)

Have a look what the booklet for
XYZ(18.5376, 9.9096, 1.4032)
contains.

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Color

**XYZ(18.4678, 9.8819,
1.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	B1140F
RGB	177, 20, 15
RGB Percent	69%, 8%, 6%
CMY	0.3059, 0.9215, 0.9412
CMYK	0.00, 0.89, 0.92, 0.31
HSL	2°, 84%, 38%
HSV	2°, 92%, 69%
XYZ	18.4678, 9.8819, 1.3860
YIQ	66.3730, 95.1770, 31.7290

Conversions

Conversions Part 2

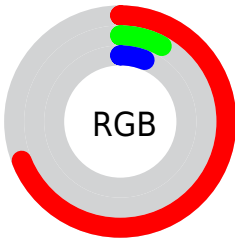
Format	Color
R_{YB}	177, 20, 15
Decimal	11605007
CIE Lab	37.63, 58.44, 45.77
CIE LCh	38, 74.225, 38.068
Yxy	9.8819, 0.6211, 0.3323
Android (android.graphics.Color)	4289795087 (0xFFB1140F)
YUV	66.3730, -25.3269, 97.0199
Hunter-Lab	31.4355, 49.8535, 19.3907

Details

The XYZ color **18.4678, 9.8819, 1.3860** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.8815, 32.7734, 46.7144**, and the grayscale version is **5.2660, 5.5403, 6.0334**.

A 20% lighter version of the original color is **40.3664, 25.5347, 7.2160**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.1908, 9.4660, 0.8684**, and if you desaturate by 10%, it is **19.0685, 10.7890, 2.4945**.

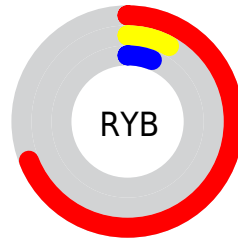
Distribution



Red (69%)

Green (8%)

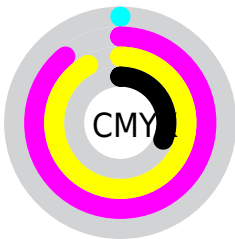
Blue (6%)



Red (69%)

Yellow (8%)

Blue (6%)

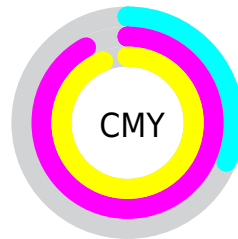


Cyan (0%)

Magenta (89%)

Yellow (92%)

Black (31%)



Cyan (31%)


Magenta (92%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4678, 9.8819, 1.3860 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 18.4678, 9.8819, 1.3860 by changing the saturation by 10% instead.

 18.4678, 9.8819,
1.3860


 18.4678, 9.8819,
1.3860


 236.4897,
189.8271, 111.9664


 11.3881, 5.3207,
0.1308


 40.3567, 25.5731,
7.2816


 6.3977, 2.4366,
0.0000


 55.8966, 37.4720,
12.9762


 3.1313, 0.8446,
0.0000

 74.9873, 52.5855,
21.0600

 1.2236, 0.0000,
0.0000

 97.9941, 71.2981,
31.9516

 0.1249, 0.0000,
0.0000


 125.2824, 93.9941,
46.0695

 0.0000, 0.0000,
0.0000


 157.2175,


121.0581, 63.8322


 194.1648,
152.8742, 85.6583


 18.4678, 9.8819,
1.3860


 18.4678, 9.8819,
1.3860


 18.1908, 9.4660,
0.8684

 19.0685, 10.7890,
2.4945

 20.0499, 12.2493,
4.3708

 21.4613, 14.3327,
7.1204

 23.3443, 17.0984,
10.8321

 25.7359, 20.5987,
15.5837

■ 28.6690, 24.8809,
21.4453

■ 32.1742, 29.9881,
28.4806

■ 36.2794, 35.9605,
36.7488

■ 41.0110, 42.8355,
46.3048

Harmonies

Analogous

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



21.5002, 9.8819, 7.5174



18.4678, 9.8819, 1.3860



13.1933, 9.8819, 0.0000

Triad

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



18.4678, 9.8819, 1.3860



3.2513, 9.8819, 3.6933



10.7204, 9.8819, 62.2076

Complementary

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



18.4678, 9.8819, 1.3860



22.8815, 32.7734, 46.7144

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.



6.4022, 9.8819, 57.1373



18.4678, 9.8819, 1.3860



2.9805, 9.8819, 14.8215

Square

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



18.4678, 9.8819, 1.3860



4.8453, 9.8819, 0.4504



3.9184, 9.8819, 35.9496



16.1486, 9.8819, 46.7675

Rectangle

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



18.4678, 9.8819, 1.3860



9.7008, 9.8819, 0.0000



3.9184, 9.8819, 35.9496



9.0907, 9.8819, 62.9895

Sweetspot

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



18.4680, 9.8825, 1.3861



53.7702, 48.0957, 43.2685



25.9713, 12.7564, 41.2909



11.2217, 9.7946, 8.5125



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.



18.4680, 9.8825, 1.3861



32.5501, 16.8947, 1.5454



22.6510, 18.2485, 2.7805



8.5168, 8.5460, 8.8532



13.1883, 6.8752, 0.6319



0.4219, 0.2302, 0.0222

Inverse Universe

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



22.8815, 32.7734, 46.7144



40.4378, 58.1351, 83.5852



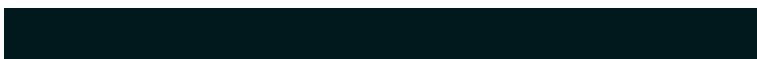
12.0735, 11.1574, 43.1118



8.7196, 9.5855, 10.8969



16.3805, 23.5614, 33.8215



0.5224, 0.7553, 1.0665

Previews

White Background



This preview shows how the XYZ color 18.4678, 9.8819, 1.3860 looks on a white background.

Color Contrast Check

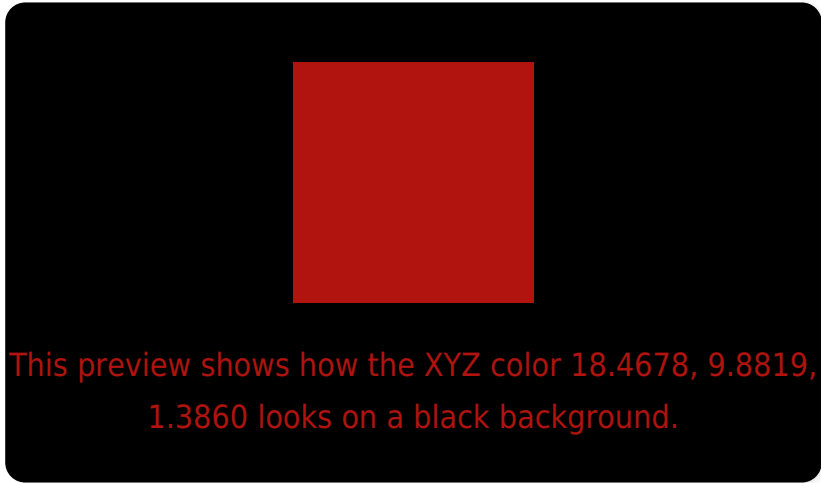
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.4678, 9.8819, 1.3860

Background



This preview shows how black text looks on a background with the XYZ color 18.4678, 9.8819, 1.3860.



This preview shows how white text looks on a background with the XYZ color 18.4678, 9.8819,

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

18.4678, 9.8819, 1.3860

Protanopia

9.3423, 10.3426, 2.7322

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

18.4678, 9.8819, 1.3860

Trichromacy



Original Color

18.4678, 9.8819, 1.3860

Protanomaly

11.1190, 8.5179, 1.9778

Deuteranomaly

12.0665, 8.7746, 1.2013

Tritanomaly

18.4678, 9.8819, 1.3860

Monochromacy



Original Color

18.4678, 9.8819, 1.3860

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.5553, 5.4660, 3.3462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4678, 9.8819, 1.3860 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(177, 20, 15)` looks like.

```
.text, #text, p{  
    color:rgb(177, 20, 15)  
}
```

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(177, 20, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 20, 15) }
```

Border

The CSS property to change the border of an element to XYZ 18.4678, 9.8819, 1.3860 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(177, 20, 15) }
```


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

```
.border{ border-color:rgb(177, 20, 15) }
```

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

Here you see how a box with a 4 pixel rgb(177, 20, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 20, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 20, 15);  
box-shadow:4px 4px 4px 4px rgb(177, 20,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4678, 9.8819, 1.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 20, 15) }
```

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

```
.background{ background-color: rgb(177, 20,  
15) }
```

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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