

Converting Colors

XYZ(19.1132, 18.0027, 2.4675)

Have a look what the booklet for
XYZ(19.1132, 18.0027, 2.4675)
contains.

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Color

**XYZ(19.1789, 18.0052,
2.4645)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6D00
RGB	156, 109, 0
RGB Percent	61%, 43%, 0%
CMY	0.3882, 0.5725, 1.0000
CMYK	0.00, 0.30, 1.00, 0.39
HSL	42°, 100%, 31%
HSV	42°, 100%, 61%
XYZ	19.1789, 18.0052, 2.4645
YIQ	110.6270, 63.0010, -23.9350

Conversions

Conversions Part 2

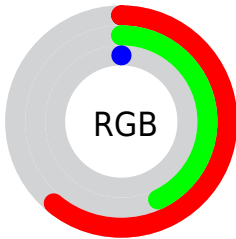
Format	Color
R _Y B	67, 156, 0
Decimal	10251520
CIE Lab	49.50, 10.93, 56.36
CIE LCh	50, 57.411, 79.025
Yxy	18.0052, 0.4837, 0.4541
Android (android.graphics.Color)	4288441600 (0xFF9C6D00)
YUV	110.6270, -54.5391, 39.7921
Hunter-Lab	42.4325, 6.4225, 26.2592

Details

The XYZ color **19.1789, 18.0052, 2.4645** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0173, 4.4334, 31.9380**, and the grayscale version is **15.1421, 15.9306, 17.3485**.

A 20% lighter version of the original color is **41.4923, 39.9476, 10.2264**, and **6.8682, 6.0979, 0.8150** is the 20% darker color. If you saturate the color by 10%, you get **19.1791, 18.0057, 2.4646**, and if you desaturate by 10%, it is **19.7847, 19.0721, 3.1134**.

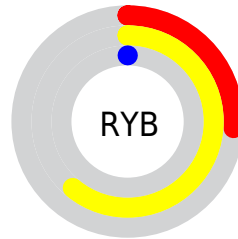
Distribution



Red (61%)

Green (43%)

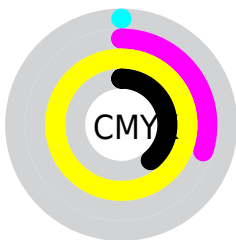
Blue (0%)



Red (26%)

Yellow (61%)

Blue (0%)

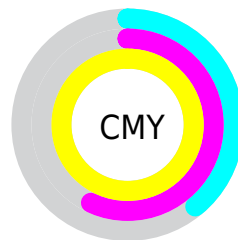


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1789, 18.0052, 2.4645 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 19.1789, 18.0052, 2.4645 by changing the saturation by 10% instead.

■ 19.1789, 18.0052,
2.4645

■ 19.1789, 18.0052,
2.4645

240.3538,
240.9004, 129.2172

■ 11.9044, 10.9537,
0.8213

■ 41.5507, 40.0462,
10.2757

■ 6.7503, 6.0357,
0.0000

■ 57.3787, 55.8045,
17.2877

■ 3.3514, 2.8668,
0.0000

■ 76.7886, 75.2338,
26.9287

■ 1.3422, 1.0626,
0.0000

■ 100.1458, 98.7187,
39.6172

■ 0.2145, 0.0000,
0.0000

■ 127.8155,
126.6433, 55.7718

■ 0.0000, 0.0000,
0.0000

■ 160.1632,

159.3922, 75.8109

■ 197.5542,
197.3498, 100.1532

■ 19.1789, 18.0052,
2.4645

■ 19.1789, 18.0052,
2.4645

■ 19.1791, 18.0057,
2.4646

■ 19.7847, 19.0721,
3.1134

■ 20.4863, 20.2201,
4.1337

■ 21.3151, 21.4631,
5.6882

■ 22.2843, 22.8071,
7.8437

■ 23.4051, 24.2572,
10.6573

■ 24.6873, 25.8178,
14.1793

■ 26.1400, 27.4933,
18.4550

■ 27.7713, 29.2873,
23.5262

■ 29.5889, 31.2036,
29.4313

Harmonies

Analogous

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



24.9123, 18.0052, 4.5869



19.1789, 18.0052, 2.4645



13.9309, 18.0052, 2.7473

Triad

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



19.1789, 18.0052, 2.4645



9.0197, 18.0052, 31.0549



26.2671, 18.0052, 46.4713

Complementary

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



19.1789, 18.0052, 2.4645



7.0173, 4.4334, 31.9380

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.



20.7470, 18.0052, 63.6296



19.1789, 18.0052, 2.4645



11.1400, 18.0052, 51.9493

Square

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



19.1789, 18.0052, 2.4645



8.7745, 18.0052, 14.4455



15.2018, 18.0052, 66.0405



29.5440, 18.0052, 25.8655

Rectangle

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



19.1789, 18.0052, 2.4645



11.3458, 18.0052, 4.3429



15.2018, 18.0052, 66.0405



24.5643, 18.0052, 53.2123

Sweetspot

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



19.1793, 18.0061, 2.4648



47.3116, 49.7484, 33.0160



14.2731, 7.2931, 3.6060



10.1775, 10.6812, 6.5689



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.1793, 18.0061, 2.4648



34.6558, 32.3453, 4.4167



20.7005, 28.3195, 4.3753



7.0013, 7.3827, 7.0417



15.8292, 14.8940, 2.0405



0.3181, 0.3364, 0.0482

Inverse Universe

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



7.0173, 4.4334, 31.9380



12.5923, 7.7461, 57.9582



6.4963, 2.6559, 31.6223



6.4396, 6.7449, 8.3692



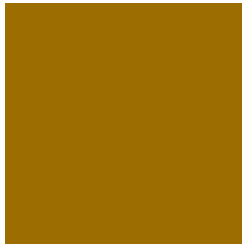
5.8074, 3.7063, 26.3165



0.1384, 0.1354, 0.4821

Previews

White Background



This preview shows how the XYZ color 19.1789, 18.0052, 2.4645 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



This preview shows how the XYZ color 19.1789, 18.0052, 2.4645 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1789, 18.0052, 2.4645

Background



This preview shows how black text looks on a background with the XYZ color 19.1789, 18.0052, 2.4645.



This preview shows how white text looks on a background with the XYZ color 19.1789, 18.0052,

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

19.1789, 18.0052, 2.4645

Protanopia

16.2061, 17.9653, 2.9007

Deuteranopia

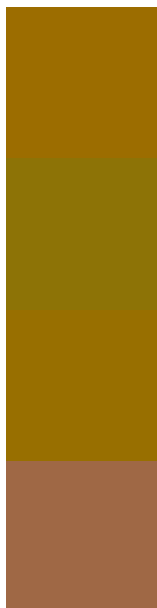
18.1886, 17.9779, 2.5114



Tritanopia

22.1119, 17.9886, 16.7747

Trichromacy



Original Color

19.1789, 18.0052, 2.4645

Protanomaly

17.1481, 17.9373, 2.7307

Deuteranomaly

18.6333, 18.0443, 2.5008

Tritanomaly

20.3226, 17.7012, 7.9758

Monochromacy



Original Color

19.1789, 18.0052, 2.4645

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4657, 16.1188, 8.2574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1789, 18.0052, 2.4645 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(156, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 109, 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(156, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 109, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1789, 18.0052, 2.4645 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(156, 109, 0) }
```


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

```
.border{ border-color:rgb(156, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 109,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1789, 18.0052, 2.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 109, 0) }
```

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

```
.background{ background-color: rgb(156,  
109, 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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