

Converting Colors

XYZ(18.6031, 19.5365, 3.8890)

Have a look what the booklet for
XYZ(18.6031, 19.5365, 3.8890)
contains.

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Color

**XYZ(18.6031, 19.5365,
3.8890)**

Conversions

Conversions Part 1

Format	Color
Hex	91781C
RGB	145, 120, 28
RGB Percent	57%, 47%, 11%
CMY	0.4314, 0.5294, 0.8902
CMYK	0.00, 0.17, 0.81, 0.43
HSL	47°, 68%, 34%
HSV	47°, 81%, 57%
XYZ	18.6031, 19.5365, 3.8890
YIQ	116.9870, 44.4320, -23.3120

Conversions

Conversions Part 2

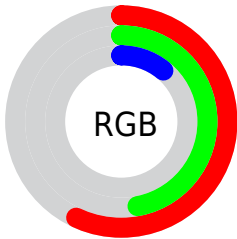
Format	Color
R_{YB}	60, 145, 28
Decimal	9533468
CIE _{Lab}	51.31, 0.18, 50.18
CIE _{LCh}	51, 50.185, 89.797
Yxy	19.5365, 0.4426, 0.4648
Android (android.graphics.Color)	4287723548 (0xFF91781C)
YUV	116.9870, -43.8706, 24.5674
Hunter-Lab	44.2001, -2.2225, 25.7234

Details

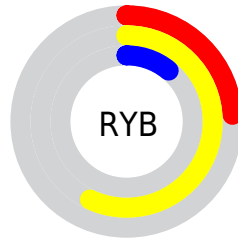
The XYZ color **18.6031, 19.5365, 3.8890** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8628, 4.8373, 27.3598**, and the grayscale version is **17.0270, 17.9137, 19.5081**.

A 20% lighter version of the original color is **40.5576, 42.6408, 13.6823**, and **6.6317, 6.8589, 0.9744** is the 20% darker color. If you saturate the color by 10%, you get **18.1033, 18.7508, 3.0631**, and if you desaturate by 10%, it is **19.1995, 20.3817, 5.1601**.

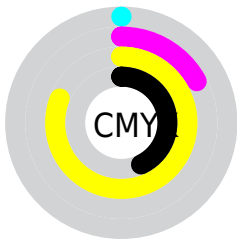
Distribution



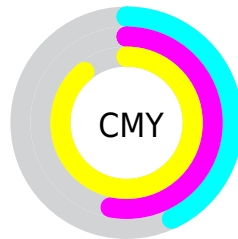
- Red (57%)
- Green (47%)
- Blue (11%)



- Red (24%)
- Yellow (57%)
- Blue (11%)



- Cyan (0%)
- Magenta (17%)
- Yellow (81%)
- Black (43%)



- Cyan (43%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6031, 19.5365, 3.8890 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 18.6031, 19.5365, 3.8890 by changing the saturation by 10% instead.

■ 18.6031, 19.5365,
3.8890

■ 18.6031, 19.5365,
3.8890

237.2292,
249.3947, 146.9835

■ 11.4861, 12.0586,
1.5646

■ 40.5844, 42.6387,
13.7529

■ 6.4645, 6.7836,
0.2654

■ 56.1795, 59.0318,
22.1296

■ 3.1729, 3.3271,
0.0000

■ 75.3313, 79.1654,
33.3608

■ 1.2458, 1.3048,
0.0000

■ 98.4053, 103.4239,
47.8651

■ 0.1421, 0.1449,
0.0000

■ 125.7667,
132.1917, 66.0609

■ 0.0000, 0.0000,
0.0000

■ 157.7809,

165.8531, 88.3669

194.8133,
204.7927, 115.2016

18.6031, 19.5365,
3.8890

18.6031, 19.5365,
3.8890

18.1033, 18.7508,
3.0631

19.1995, 20.3817,
5.1601

17.6967, 18.0591,
2.5530

19.9020, 21.2879,
6.9313

20.7200, 22.2601,
9.2508

21.6617, 23.3016,
12.1606

22.7345, 24.4154,
15.6990

■ 23.9451, 25.6045,
19.9006

■ 25.2996, 26.8716,
24.7978

■ 26.8040, 28.2190,
30.4206

■ 28.4636, 29.6492,
36.7976

Harmonies

Analogous

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



23.8505, 19.5365, 5.2249



18.6031, 19.5365, 3.8890



14.1803, 19.5365, 5.1865

Triad

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



18.6031, 19.5365, 3.8890



11.3992, 19.5365, 38.1433



28.2037, 19.5365, 38.3944

Complementary

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



18.6031, 19.5365, 3.8890



6.8628, 4.8373, 27.3598

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.



23.7806, 19.5365, 55.3317



18.6031, 19.5365, 3.8890



14.1309, 19.5365, 55.1465

Square

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



18.6031, 19.5365, 3.8890



10.5036, 19.5365, 21.1741



18.5347, 19.5365, 62.5227



29.9677, 19.5365, 21.3701

Rectangle

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



18.6031, 19.5365, 3.8890



12.1388, 19.5365, 7.9680



18.5347, 19.5365, 62.5227



26.9435, 19.5365, 44.5211

Sweetspot

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



18.6035, 19.5374, 3.8894



42.0261, 45.0262, 32.6265



12.7430, 7.1106, 4.1117



9.1961, 9.8659, 6.7280



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.6035, 19.5374, 3.8894



31.7848, 32.4766, 4.7559



16.9980, 23.7694, 4.7909



5.7431, 6.0925, 5.7627



15.1984, 15.5284, 2.1962



0.1611, 0.1800, 0.0262

Inverse Universe

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



6.8628, 4.8373, 27.3598



10.1531, 5.5566, 48.5110



7.4600, 3.8719, 27.1420



5.2172, 5.4302, 6.8019



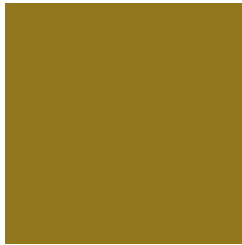
4.8200, 2.6261, 23.2299



0.0597, 0.0522, 0.2266

Previews

White Background



This preview shows how the XYZ color 18.6031, 19.5365, 3.8890 looks on a white 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

Black Background



This preview shows how the XYZ color 18.6031, 19.5365, 3.8890 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 18.6031, 19.5365, 3.8890

Background



This preview shows how black text looks on a background with the XYZ color 18.6031, 19.5365, 3.8890.



This preview shows how white text looks on a background with the XYZ color 18.6031, 19.5365,

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

18.6031, 19.5365, 3.8890

Protanopia

17.7860, 19.6579, 4.0193

Deuteranopia

19.8062, 19.4545, 3.9395



Tritanopia

21.9468, 19.5237, 20.3810

Trichromacy



Original Color

18.6031, 19.5365, 3.8890

Protanomaly

18.1658, 19.6705, 4.0017

Deuteranomaly

19.3456, 19.3906, 3.8855

Tritanomaly

20.2455, 19.3391, 11.6826

Monochromacy



Original Color

18.6031, 19.5365, 3.8890

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8705, 18.1248, 11.2036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6031, 19.5365, 3.8890 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(145, 120, 28)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 28)  
}
```

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(145, 120, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 28) }
```

Border

The CSS property to change the border of an element to XYZ 18.6031, 19.5365, 3.8890 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(145, 120, 28) }
```


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

```
.border{ border-color:rgb(145, 120, 28) }
```

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

Here you see how a box with a 4 pixel rgb(145, 120, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 28);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6031, 19.5365, 3.8890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 28) }
```

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

```
.background{ background-color: rgb(145,  
120, 28) }
```

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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