

Converting Colors

XYZ(18.4411, 10.1148, 2.1084)

Have a look what the booklet for
XYZ(18.4411, 10.1148, 2.1084)
contains.

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Color

**XYZ(18.5294, 10.1445,
2.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	B01C1C
RGB	176, 28, 28
RGB Percent	69%, 11%, 11%
CMY	0.3098, 0.8901, 0.8902
CMYK	0.00, 0.84, 0.84, 0.31
HSL	0°, 73%, 40%
HSV	0°, 84%, 69%
XYZ	18.5294, 10.1445, 2.0801
YIQ	72.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

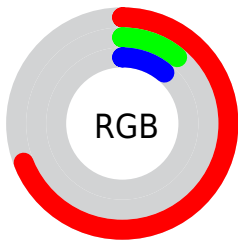
Format	Color
RYB	176, 28, 28
Decimal	11541532
CIELab	38.10, 56.73, 39.81
CIElCh	38, 69.304, 35.061
Yxy	10.1445, 0.6025, 0.3299
Android (android.graphics.Color)	4289731612 (0xFFB01C1C)
YUV	72.2520, -21.8162, 90.9870
Hunter-Lab	31.8504, 48.1064, 18.4232

Details

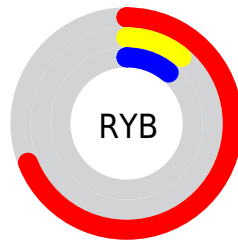
The XYZ color **18.5294, 10.1445, 2.0801** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.8377, 34.4262, 46.4626**, and the grayscale version is **6.2301, 6.5545, 7.1379**.

A 20% lighter version of the original color is **40.3716, 25.9765, 9.1895**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **18.0745, 9.4790, 1.1757**, and if you desaturate by 10%, it is **19.3517, 11.3481, 3.7142**.

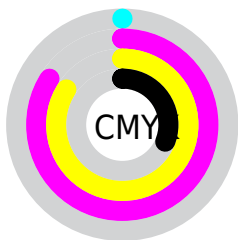
Distribution



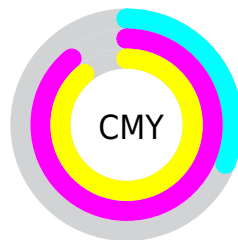
- Red (69%)
- Green (11%)
- Blue (11%)



- Red (69%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (84%)
- Yellow (84%)
- Black (31%)





- Cyan (31%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5294, 10.1445, 2.0801 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 18.5294, 10.1445, 2.0801 by changing the saturation by 10% instead.


 18.5294, 10.1445,
2.0801


 18.5294, 10.1445,
2.0801


236.8266,
191.7003, 123.6084


 11.4327, 5.4949,
0.6039


 40.4604, 26.0669,
9.2587


 6.4281, 2.5404,
0.0000


 56.0255, 38.1085,
15.8411


 3.1502, 0.8968,
0.0000

 75.1440, 53.3829,
24.9771

 1.2337, 0.0000,
0.0000

 98.1814, 72.2745,
37.0851

 0.1327, 0.0000,
0.0000


 125.5030, 95.1676,
52.5837


 0.0000, 0.0000,
0.0000


 157.4742,


122.4467, 71.8914

 194.4603,
154.4961, 95.4268


 18.5294, 10.1445,
2.0801


 18.5294, 10.1445,
2.0801


 18.0745, 9.4790,
1.1757


 19.3517, 11.3481,
3.7142

 17.9046, 9.2304,
0.8380

 20.5965, 13.1697,
6.1885

 22.3105, 15.6778,
9.5957

 24.5339, 18.9314,
14.0157

 27.3029, 22.9833,
19.5204

■ 30.6502, 27.8813,
26.1746

■ 34.6059, 33.6695,
34.0385

■ 39.1981, 40.3891,
43.1679

■ 44.4531, 48.0786,
53.6150

Harmonies

Analogous

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



20.9904, 10.1445, 9.0129



18.5294, 10.1445, 2.0801



13.7401, 10.1445, 0.1992

Triad

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



18.5294, 10.1445, 2.0801



3.7589, 10.1445, 3.5771



10.4205, 10.1445, 58.1979

Complementary

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



18.5294, 10.1445, 2.0801



23.8377, 34.4262, 46.4626

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.



6.4525, 10.1445, 51.7884



18.5294, 10.1445, 2.0801



3.3637, 10.1445, 13.3631

Square

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



18.5294, 10.1445, 2.0801



5.4988, 10.1445, 0.6266



4.1783, 10.1445, 32.0841



15.4715, 10.1445, 45.9391

Rectangle

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



18.5294, 10.1445, 2.0801



10.4012, 10.1445, 0.0000



4.1783, 10.1445, 32.0841



8.9207, 10.1445, 58.2118

Sweetspot

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



18.5296, 10.1451, 2.0802



54.7087, 49.2786, 45.7209



26.1561, 13.1952, 42.2424



11.3902, 9.9974, 8.9819



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.



18.5296, 10.1451, 2.0802



32.4731, 16.7409, 1.5198



22.8654, 18.8167, 3.5255



8.4964, 8.5054, 8.8464



13.1370, 6.7726, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



23.8377, 34.4262, 46.4626



42.3644, 61.9883, 84.2274



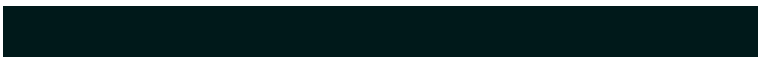
13.0667, 12.8842, 42.8723



8.7426, 9.6314, 10.9046



17.1385, 25.0774, 34.0741



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 18.5294, 10.1445, 2.0801 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 18.5294, 10.1445, 2.0801

Background



This preview shows how black text looks on a background with the XYZ color 18.5294, 10.1445, 2.0801.



This preview shows how white text looks on a background with the XYZ color 18.5294, 10.1445,

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

18.5294, 10.1445, 2.0801

Protanopia

9.5440, 10.4233, 3.7944

Deuteranopia

10.4309, 10.3136, 1.6132



Tritanopia

18.5176, 10.1397, 2.0181

Trichromacy



Original Color

18.5294, 10.1445, 2.0801

Protanomaly

11.3191, 8.8634, 2.9479

Deuteranomaly

12.2861, 9.1307, 1.5303

Tritanomaly

18.5176, 10.1397, 2.0181

Monochromacy



Original Color

18.5294, 10.1445, 2.0801

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.5584, 6.4289, 4.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5294, 10.1445, 2.0801 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, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(176, 28, 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(176, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 28, 28) }
```

Border

The CSS property to change the border of an element to XYZ 18.5294, 10.1445, 2.0801 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, 28, 28) }
```


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

```
.border{ border-color:rgb(176, 28, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 28, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(176, 28,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5294, 10.1445, 2.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 28, 28) }
```

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

```
.background{ background-color: rgb(176, 28,  
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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