

Converting Colors

XYZ(18.0192, 9.2747, 1.5007)

Have a look what the booklet for
XYZ(18.0192, 9.2747, 1.5007)
contains.

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Color

**XYZ(18.0308, 9.2806,
1.5028)**

Conversions

Conversions Part 1

Format	Color
Hex	B00014
RGB	176, 0, 20
RGB Percent	69%, 0%, 8%
CMY	0.3098, 0.9999, 0.9216
CMYK	0.00, 1.00, 0.89, 0.31
HSL	353°, 100%, 35%
HSV	353°, 100%, 69%
XYZ	18.0308, 9.2806, 1.5028
YIQ	54.9040, 98.4760, 43.5320

Conversions

Conversions Part 2

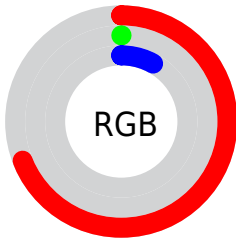
Format	Color
RYB	176, 0, 20
Decimal	11534356
CIELab	36.52, 60.92, 42.58
CIELCh	37, 74.323, 34.949
Yxy	9.2806, 0.6258, 0.3221
Android (android.graphics.Color)	4289724436 (0xFFB00014)
YUV	54.9040, -17.2077, 106.2012
Hunter-Lab	30.4641, 52.3368, 18.4001

Details

The XYZ color **18.0308, 9.2806, 1.5028** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.5288, 33.4520, 36.7874**, and the grayscale version is **3.6335, 3.8227, 4.1629**.

A 20% lighter version of the original color is **39.6853, 24.4989, 7.6381**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.0305, 9.2805, 1.5016**, and if you desaturate by 10%, it is **18.4272, 9.7757, 2.5531**.

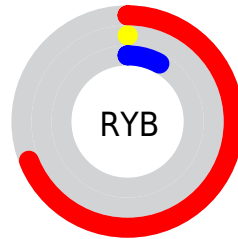
Distribution



Red (69%)

Green (0%)

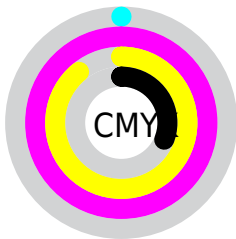
Blue (8%)



Red (69%)

Yellow (0%)

Blue (8%)

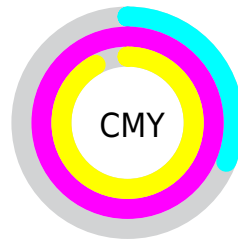


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (31%)



Cyan (31%)


Magenta (100%)

Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0308, 9.2806, 1.5028 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 18.0308, 9.2806, 1.5028 by changing the saturation by 10% instead.


 18.0308, 9.2806,
1.5028


 18.0308, 9.2806,
1.5028


 234.0868,
185.4576, 114.1040

 11.0719, 4.9247,
0.2200


 39.6195, 24.4333,
7.6306


 6.1829, 2.2031,
0.0000


 54.9800, 35.9988,
13.4877


 2.9983, 0.7217,
0.0000

 73.8717, 50.7363,
21.7650

 1.1529, 0.0000,
0.0000

 96.6601, 69.0303,
32.8811

 0.0687, 0.0000,
0.0000


 123.7105, 91.2649,
47.2545


 0.0000, 0.0000,
0.0000


 155.3881,

117.8248, 65.3038


 192.0584,
149.0942, 87.4474


 18.0308, 9.2806,
1.5028


 18.0308, 9.2806,
1.5028

 18.0305, 9.2805,
1.5016

 18.4272, 9.7757,
2.5531

 19.1143, 10.6865,
4.2110

 20.1771, 12.1636,
6.5643

 21.6601, 14.2797,
9.6793

 23.6017, 17.0963,
13.6143

■ 26.0356, 20.6679,
18.4220

■ 28.9927, 25.0435,
24.1506

■ 32.5010, 30.2681,
30.8447

■ 36.5867, 36.3831,
38.5462

Harmonies

Analogous

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



20.6168, 9.2806, 8.1070



18.0308, 9.2806, 1.5028



13.0350, 9.2806, 0.0000

Triad

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



18.0308, 9.2806, 1.5028



3.0590, 9.2806, 2.8066



9.5918, 9.2806, 60.6920

Complementary

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



18.0308, 9.2806, 1.5028



21.5288, 33.4520, 36.7874

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.



5.6298, 9.2806, 53.5631



18.0308, 9.2806, 1.5028



2.6877, 9.2806, 12.4070

Square

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



18.0308, 9.2806, 1.5028



4.7213, 9.2806, 0.1429



3.4440, 9.2806, 32.1111



14.7927, 9.2806, 47.2992

Rectangle

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



18.0308, 9.2806, 1.5028



9.6083, 9.2806, 0.0000



3.4440, 9.2806, 32.1111



8.0778, 9.2806, 60.6792

Sweetspot

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



18.0310, 9.2812, 1.5029



52.2679, 44.9524, 43.1946



21.4447, 10.1503, 41.9031



10.8287, 9.0029, 8.3989



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.



18.0310, 9.2812, 1.5029



32.6599, 16.8152, 2.5043



19.9406, 13.3023, 1.5174



8.5343, 8.5204, 9.0460



13.2409, 6.8139, 1.1627



0.4292, 0.2194, 0.1028

Inverse Universe

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



18.0310, 9.2812, 1.5029



32.6599, 16.8152, 2.5043



13.2569, 13.9750, 43.0729



8.5343, 8.5204, 9.0460



13.2409, 6.8139, 1.1627



0.4292, 0.2194, 0.1028

Previews

White Background



This preview shows how the XYZ color 18.0308, 9.2806, 1.5028 looks on a white background.

Color Contrast Check

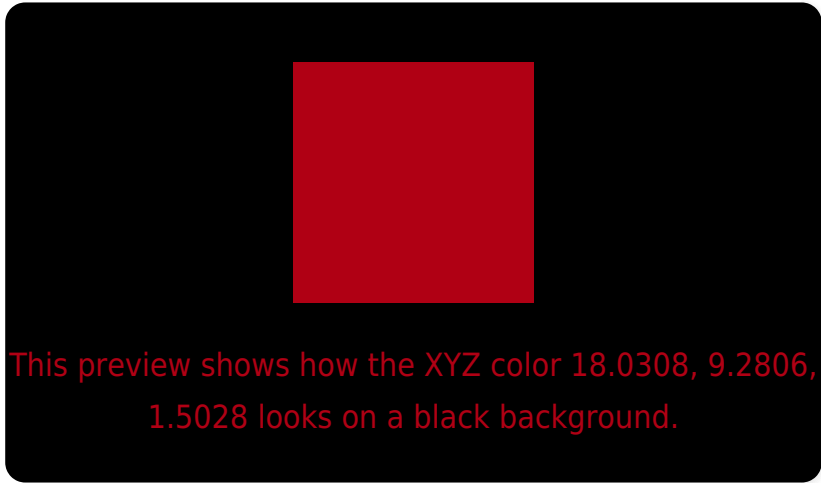
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0308, 9.2806, 1.5028

Background



This preview shows how black text looks on a background with the XYZ color 18.0308, 9.2806, 1.5028.



This preview shows how white text looks on a background with the XYZ color 18.0308, 9.2806,

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

18.0308, 9.2806, 1.5028

Protanopia

9.0364, 9.9248, 3.1085

Deuteranopia

9.8524, 9.7854, 1.3695



Tritanopia

17.8645, 9.4845, 0.8891

Trichromacy



Original Color

18.0308, 9.2806, 1.5028

Protanomaly

10.4499, 7.5320, 2.1314

Deuteranomaly

11.3031, 7.7124, 1.0939

Tritanomaly

17.8261, 9.3464, 1.0655

Monochromacy



Original Color

18.0308, 9.2806, 1.5028

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.1645, 4.0219, 2.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0308, 9.2806, 1.5028 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, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 20)  
}
```

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, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 18.0308, 9.2806, 1.5028 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, 0, 20) }
```


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

```
.border{ border-color:rgb(176, 0, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0308, 9.2806, 1.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 20) }
```

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

```
.background{ background-color: rgb(176, 0,  
20) }
```

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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