

Converting Colors

XYZ(18.0318, 9.2797, 1.5672)

Have a look what the booklet for
XYZ(18.0318, 9.2797, 1.5672)
contains.

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Color

**XYZ(18.0399, 9.2842,
1.5507)**

Conversions

Conversions Part 1

Format	Color
Hex	B00015
RGB	176, 0, 21
RGB Percent	69%, 0%, 8%
CMY	0.3098, 0.9999, 0.9176
CMYK	0.00, 1.00, 0.88, 0.31
HSL	353°, 100%, 35%
HSV	353°, 100%, 69%
XYZ	18.0399, 9.2842, 1.5507
YIQ	55.0180, 98.1550, 43.8430

Conversions

Conversions Part 2

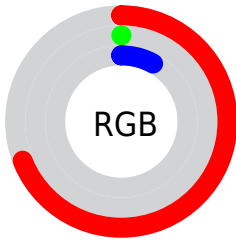
Format	Color
R_{YB}	176, 0, 21
Decimal	11534357
CIE _{Lab}	36.53, 60.94, 42.08
CIE _{LCh}	37, 74.058, 34.628
Yxy	9.2842, 0.6248, 0.3215
Android (android.graphics.Color)	4289724437 (0xFFB00015)
YUV	55.0180, -16.7709, 106.1012
Hunter-Lab	30.4700, 52.3593, 18.3116

Details

The XYZ color **18.0399, 9.2842, 1.5507** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.4442, 33.4182, 36.3417**, and the grayscale version is **3.6472, 3.8371, 4.1786**.

A 20% lighter version of the original color is **39.7145, 24.5106, 7.7921**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.0396, 9.2841, 1.5496**, and if you desaturate by 10%, it is **18.4409, 9.7811, 2.6256**.

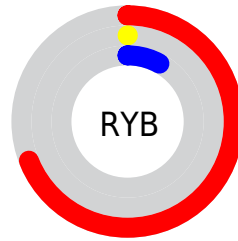
Distribution



Red (69%)

Green (0%)

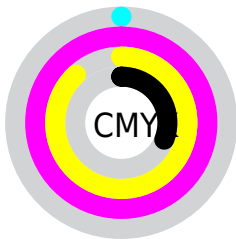
Blue (8%)



Red (69%)

Yellow (0%)

Blue (8%)

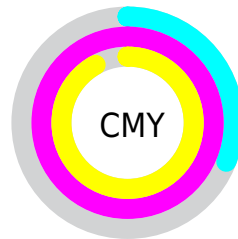


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (31%)



Cyan (31%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0399, 9.2842, 1.5507 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 18.0399, 9.2842, 1.5507 by changing the saturation by 10% instead.


 18.0399, 9.2842,
1.5507


 18.0399, 9.2842,
1.5507


234.1371,
185.4841, 114.9560


 11.0785, 4.9270,
0.2553


 39.6349, 24.4402,
7.7714


 6.1873, 2.2045,
0.0000


 54.9991, 36.0077,
13.6934


 3.0011, 0.7224,
0.0000

 73.8950, 50.7475,
22.0479

 1.1543, 0.0000,
0.0000

 96.6880, 69.0440,
33.2533


 0.0698, 0.0000,
0.0000


 123.7433, 91.2815,
47.7283

 0.0000, 0.0000,
0.0000


 155.4264,


117.8444, 65.8914


 192.1025,
149.1171, 88.1611


 18.0399, 9.2842,
1.5507


 18.0399, 9.2842,
1.5507


 18.0396, 9.2841,
1.5496

 18.4409, 9.7811,
2.6256

 19.1321, 10.6935,
4.3051

 20.1981, 12.1718,
6.6752

 21.6831, 14.2886,
9.8007

 23.6252, 17.1054,
13.7389

■ 26.0581, 20.6765,
18.5413

■ 29.0124, 25.0509,
24.2554

■ 32.5160, 30.2735,
30.9251

■ 36.5949, 36.3857,
38.5914

Harmonies

Analogous

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



20.5755, 9.2842, 8.2371



18.0399, 9.2842, 1.5507



13.0793, 9.2842, 0.0000

Triad

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



18.0399, 9.2842, 1.5507



3.0848, 9.2842, 2.7709



9.5416, 9.2842, 60.4510

Complementary

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



18.0399, 9.2842, 1.5507



21.4442, 33.4182, 36.3417

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.



5.6096, 9.2842, 53.1515



18.0399, 9.2842, 1.5507



2.7014, 9.2842, 12.2447

Square

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



18.0399, 9.2842, 1.5507



4.7616, 9.2842, 0.1423



3.4447, 9.2842, 31.7643



14.7163, 9.2842, 47.3280

Rectangle

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



18.0399, 9.2842, 1.5507



9.6602, 9.2842, 0.0000



3.4447, 9.2842, 31.7643



8.0382, 9.2842, 60.3585

Sweetspot

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



18.0401, 9.2848, 1.5508



52.3046, 44.9671, 43.3882



20.8863, 9.8625, 41.8770



10.8372, 9.0063, 8.4435



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.



18.0401, 9.2848, 1.5508



32.6748, 16.8212, 2.5832



19.7692, 12.9593, 1.4602



8.5362, 8.5212, 9.0561



13.2480, 6.8168, 1.2000



0.4300, 0.2197, 0.1070

Inverse Universe

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



18.0401, 9.2848, 1.5508



32.6748, 16.8212, 2.5832



13.5733, 14.6078, 43.1784



8.5362, 8.5212, 9.0561



13.2480, 6.8168, 1.2000



0.4300, 0.2197, 0.1070

Previews

White Background



This preview shows how the XYZ color 18.0399, 9.2842, 1.5507 looks on a white background.

Color Contrast Check

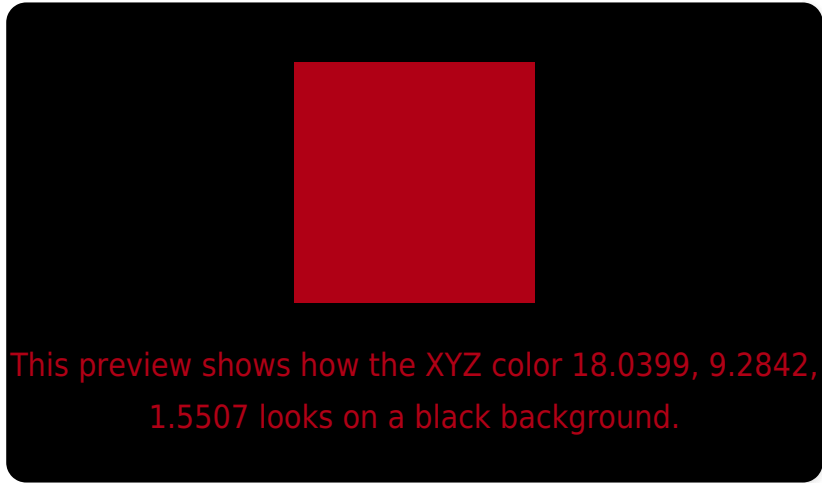
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0399, 9.2842, 1.5507

Background



This preview shows how black text looks on a background with the XYZ color 18.0399, 9.2842, 1.5507.



This preview shows how white text looks on a background with the XYZ color 18.0399, 9.2842,

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

18.0399, 9.2842, 1.5507

Protanopia

9.0519, 9.9310, 3.1900

Deuteranopia

9.8524, 9.7854, 1.3695



Tritanopia

17.8645, 9.4845, 0.8891

Trichromacy



Original Color

18.0399, 9.2842, 1.5507

Protanomaly

10.4628, 7.5372, 2.1997

Deuteranomaly

11.3086, 7.7146, 1.1228

Tritanomaly

17.8316, 9.3486, 1.0944

Monochromacy



Original Color

18.0399, 9.2842, 1.5507

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.1827, 4.0291, 2.7373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0399, 9.2842, 1.5507 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, 21)` looks like.

```
.text, #text, p{  
  color:rgb(176, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 18.0399, 9.2842, 1.5507 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, 21) }
```


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

```
.border{ border-color:rgb(176, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0399, 9.2842, 1.5507 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, 21) }
```

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

```
.background{ background-color: rgb(176, 0,  
21) }
```

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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