

Converting Colors

XYZ(18.0763, 9.5905, 0.8984)

Have a look what the booklet for
XYZ(18.0763, 9.5905, 0.8984)
contains.

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Color

**XYZ(18.0898, 9.6007,
0.8997)**

Conversions

Conversions Part 1

Format	Color
Hex	B01000
RGB	176, 16, 0
RGB Percent	69%, 6%, 0%
CMY	0.3098, 0.9372, 1.0000
CMYK	0.00, 0.91, 1.00, 0.31
HSL	5°, 100%, 35%
HSV	5°, 100%, 69%
XYZ	18.0898, 9.6007, 0.8997
YIQ	62.0160, 100.4960, 28.9440

Conversions

Conversions Part 2

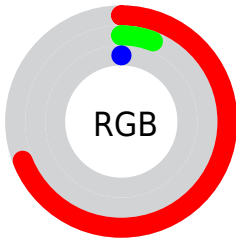
Format	Color
RYB	176, 18, 0
Decimal	11538432
CIELab	37.12, 58.66, 51.12
CIElCh	37, 77.812, 41.073
Yxy	9.6007, 0.6327, 0.3358
Android (android.graphics.Color)	4289728512 (0xFFB01000)
YUV	62.0160, -30.5739, 99.9640
Hunter-Lab	30.9850, 49.9889, 19.9679

Details

The XYZ color **18.0898, 9.6007, 0.8997** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.4033, 28.2683, 45.4549**, and the grayscale version is **4.6155, 4.8559, 5.2880**.

A 20% lighter version of the original color is **39.6042, 24.9421, 5.7445**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.0900, 9.6013, 0.8998**, and if you desaturate by 10%, it is **18.5274, 10.3066, 1.5682**.

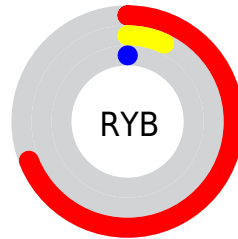
Distribution



Red (69%)

Green (6%)

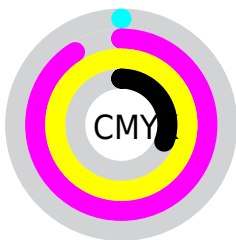
Blue (0%)



Red (69%)

Yellow (7%)

Blue (0%)

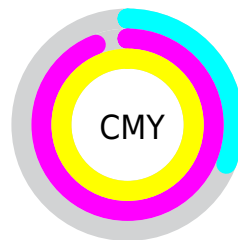


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (94%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0898, 9.6007, 0.8997 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 18.0898, 9.6007, 0.8997 by changing the saturation by 10% instead.


 18.0898, 9.6007,
0.8997


 18.0898, 9.6007,
0.8997


 234.4125,
187.7980, 101.8965


 11.1146, 5.1350,
0.0000


 39.7192, 25.0417,
5.7276


 6.2118, 2.3267,
0.0000


 55.1040, 36.7858,
10.6603


 3.0162, 0.7878,
0.0000

 74.0227, 51.7249,
17.8306

 1.1623, 0.0000,
0.0000

 96.8407, 70.2433,
27.6572


 0.0763, 0.0000,
0.0000


 123.9234, 92.7254,
40.5585


 0.0000, 0.0000,
0.0000


 155.6360,


119.5556, 56.9532


 192.3439,
151.1183, 77.2596


 18.0898, 9.6007,
0.8997


 18.0898, 9.6007,
0.8997


 18.0900, 9.6013,
0.8998

 18.5274, 10.3066,
1.5682

 19.2684, 11.4680,
2.8038

 20.3767, 13.1539,
4.8092

 21.8923, 15.4167,
7.6828

 23.8498, 18.3026,
11.5085

■ 26.2804, 21.8529,
16.3600

■ 29.2122, 26.1054,
22.3041

■ 32.6713, 31.0953,
29.4017

■ 36.6818, 36.8551,
37.7093

Harmonies

Analogous

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



21.6401, 9.6007, 6.1255



18.0898, 9.6007, 0.8997



12.4879, 9.6007, 0.0000

Triad

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



18.0898, 9.6007, 0.8997



2.8504, 9.6007, 3.9738



11.0313, 9.6007, 64.4694

Complementary

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



18.0898, 9.6007, 0.8997



20.4033, 28.2683, 45.4549

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.



6.4278, 9.6007, 61.3448



18.0898, 9.6007, 0.8997



2.7012, 9.6007, 16.4519

Square

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



18.0898, 9.6007, 0.8997



4.2756, 9.6007, 0.3728



3.7548, 9.6007, 39.5527



16.7048, 9.6007, 46.1554

Rectangle

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



18.0898, 9.6007, 0.8997



8.9520, 9.6007, 0.0000



3.7548, 9.6007, 39.5527



9.3006, 9.6007, 66.1362

Sweetspot

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



18.0900, 9.6013, 0.8998



52.6787, 46.9086, 39.8344



24.3668, 11.8150, 34.8686



10.9226, 9.4507, 7.6286



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.



18.0900, 9.6013, 0.8998



32.7391, 17.2728, 1.6084



22.7215, 18.8644, 2.4437



8.5565, 8.6256, 8.8664



13.2929, 7.0845, 0.6668



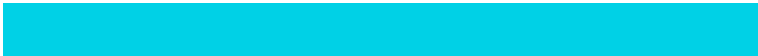
0.4385, 0.2635, 0.0277

Inverse Universe

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



20.4033, 28.2683, 45.4549



36.9170, 51.0936, 82.4116



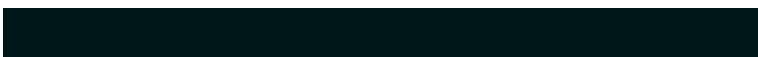
10.2410, 7.9437, 42.0675



8.6752, 9.4966, 10.8821



14.9928, 20.7859, 33.3589



0.4909, 0.6923, 1.0560

Previews

White Background



This preview shows how the XYZ color 18.0898, 9.6007, 0.8997 looks on a white background.

Color Contrast Check

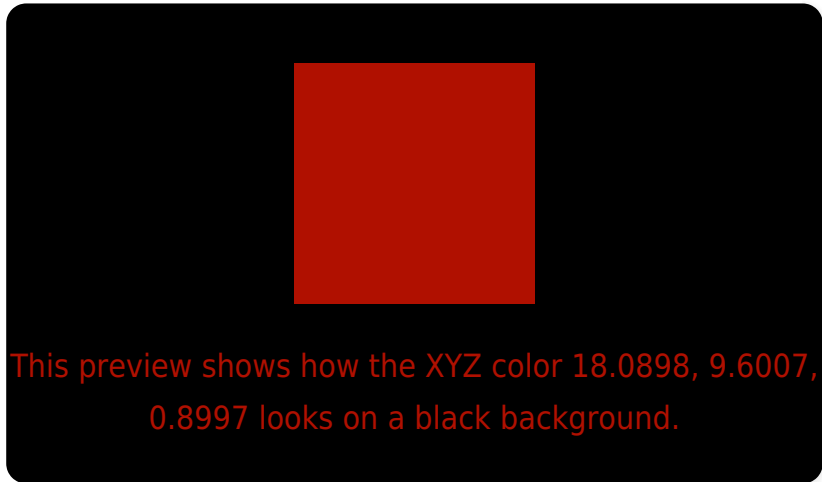
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0898, 9.6007, 0.8997

Background



This preview shows how black text looks on a background with the XYZ color 18.0898, 9.6007, 0.8997.



This preview shows how white text looks on a background with the XYZ color 18.0898, 9.6007,

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

18.0898, 9.6007, 0.8997

Protanopia

9.0565, 10.0796, 2.2273

Tritanopia

18.1172, 9.6116, 1.0439

Trichromacy



Original Color

18.0898, 9.6007, 0.8997

Protanomaly

10.7589, 8.1759, 1.4265

Tritanomaly

18.1062, 9.6073, 0.9862

Monochromacy



Original Color

18.0898, 9.6007, 0.8997

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.8981, 4.9068, 2.5030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0898, 9.6007, 0.8997 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, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 16, 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(176, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 16, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.0898, 9.6007, 0.8997 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, 16, 0) }
```

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

```
.border{ border-color:rgb(176, 16, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 16, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 16, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 18.0898, 9.6007, 0.8997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 16, 0) }
```

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

```
.background{ background-color: rgb(176, 16,  
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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