

Converting Colors

XYZ(18.2027, 9.8433, 0.9406)

Have a look what the booklet for
XYZ(18.2027, 9.8433, 0.9406)
contains.

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Color

**XYZ(18.2109, 9.8429,
0.9400)**

Conversions

Conversions Part 1

Format	Color
Hex	B01700
RGB	176, 23, 0
RGB Percent	69%, 9%, 0%
CMY	0.3098, 0.9097, 1.0000
CMYK	0.00, 0.87, 1.00, 0.31
HSL	8°, 100%, 35%
HSV	8°, 100%, 69%
XYZ	18.2109, 9.8429, 0.9400
YIQ	66.1250, 98.5710, 25.2830

Conversions

Conversions Part 2

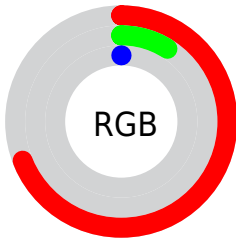
Format	Color
RYB	176, 26, 0
Decimal	11540224
CIELab	37.56, 57.39, 51.31
CIElCh	38, 76.985, 41.799
Yxy	9.8429, 0.6281, 0.3395
Android (android.graphics.Color)	4289730304 (0xFFB01700)
YUV	66.1250, -32.5996, 96.3604
Hunter-Lab	31.3734, 48.7081, 20.1849

Details

The XYZ color **18.2109, 9.8429, 0.9400** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.2247, 25.9111, 45.0621**, and the grayscale version is **5.2376, 5.5103, 6.0008**.

A 20% lighter version of the original color is **39.8387, 25.4111, 5.8227**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.2111, 9.8435, 0.9402**, and if you desaturate by 10%, it is **18.7136, 10.6789, 1.6302**.

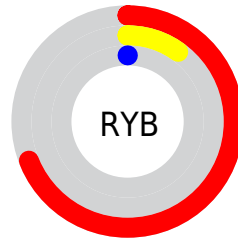
Distribution



Red (69%)

Green (9%)

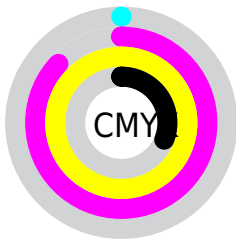
Blue (0%)



Red (69%)

Yellow (10%)

Blue (0%)

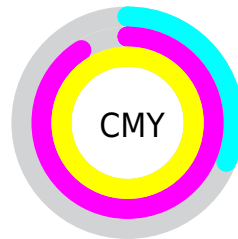


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2109, 9.8429, 0.9400 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 18.2109, 9.8429, 0.9400 by changing the saturation by 10% instead.


 18.2109, 9.8429,
0.9400

 18.2109, 9.8429,
0.9400


 235.0798,
189.5471, 102.7999


 11.2021, 5.2949,
0.0000


 39.9236, 25.4996,
5.8608


 6.2712, 2.4213,
0.0000


 55.3583, 37.3771,
10.8615


 3.0529, 0.8368,
0.0000

 74.3323, 52.4666,
18.1139

 1.1818, 0.0000,
0.0000

 97.2110, 71.1524,
28.0365


 0.0919, 0.0000,
0.0000


 124.3597, 93.8189,
41.0479


 0.0000, 0.0000,
0.0000


 156.1439,


120.8507, 57.5665


 192.9288,
152.6319, 78.0110


 18.2109, 9.8429,
0.9400


 18.2109, 9.8429,
0.9400


 18.2111, 9.8435,
0.9402

 18.7136, 10.6789,
1.6302

 19.5120, 11.9551,
2.8849

 20.6651, 13.7307,
4.9052

 22.2092, 16.0506,
7.7883

 24.1760, 18.9549,
11.6169

■ 26.5938, 22.4797,
16.4641

■ 29.4886, 26.6583,
22.3958

■ 32.8843, 31.5214,
29.4722

■ 36.8031, 37.0979,
37.7492

Harmonies

Analogous

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



21.8329, 9.8429, 6.1176



18.2109, 9.8429, 0.9400



12.5939, 9.8429, 0.0000

Triad

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



18.2109, 9.8429, 0.9400



2.9835, 9.8429, 4.3358



11.4026, 9.8429, 64.1916

Complementary

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



18.2109, 9.8429, 0.9400



19.2247, 25.9111, 45.0621

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.



6.7259, 9.8429, 61.6700



18.2109, 9.8429, 0.9400



2.8590, 9.8429, 17.1855

Square

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



18.2109, 9.8429, 0.9400



4.4010, 9.8429, 0.5150



3.9689, 9.8429, 40.3487



17.0828, 9.8429, 45.6913

Rectangle

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



18.2109, 9.8429, 0.9400



9.0646, 9.8429, 0.0000



3.9689, 9.8429, 40.3487



9.6523, 9.8429, 66.0332

Sweetspot

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



18.2111, 9.8435, 0.9402



53.1851, 47.9213, 40.0032



23.8600, 11.6123, 32.1998



11.0393, 9.6841, 7.6675



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.



18.2111, 9.8435, 0.9402



32.9375, 17.6697, 1.6746



23.3233, 20.0679, 2.6442



8.5830, 8.6785, 8.8753



13.3872, 7.2730, 0.6982



0.4495, 0.2855, 0.0314

Inverse Universe

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



19.2247, 25.9111, 45.0621



34.7482, 46.7558, 81.6887



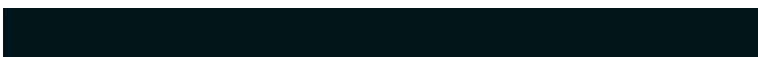
9.8714, 7.2046, 41.9443



8.6460, 9.4382, 10.8724



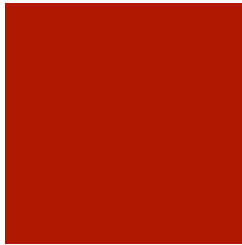
14.1360, 19.0724, 33.0733



0.4710, 0.6525, 1.0494

Previews

White Background



This preview shows how the XYZ color 18.2109, 9.8429, 0.9400 looks on a white background.

Color Contrast Check

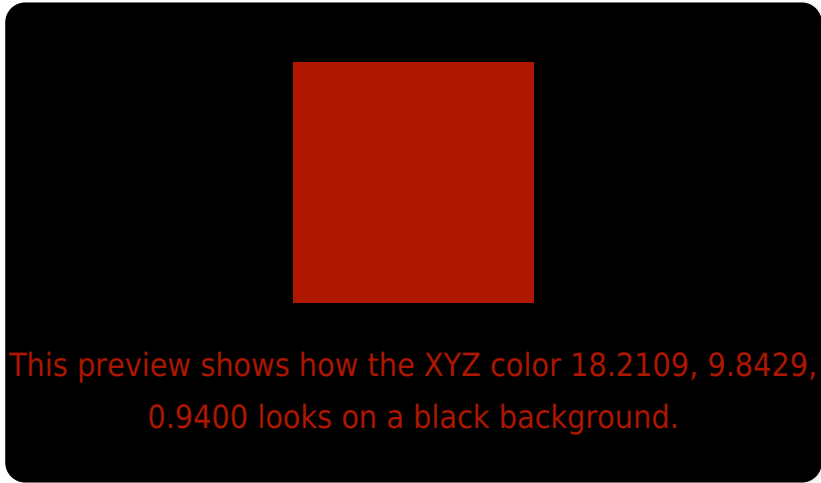
Large Text (above 18pt) WCAG AA ✓ Pass

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

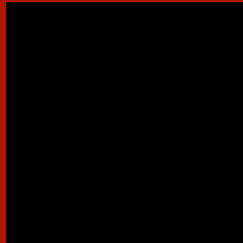
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2109, 9.8429, 0.9400

Background



This preview shows how black text looks on a background with the XYZ color 18.2109, 9.8429, 0.9400.



This preview shows how white text looks on a background with the XYZ color 18.2109, 9.8429,

0.9400.

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

18.2109, 9.8429, 0.9400

Protanopia

9.1678, 10.1370, 2.2325

Deuteranopia

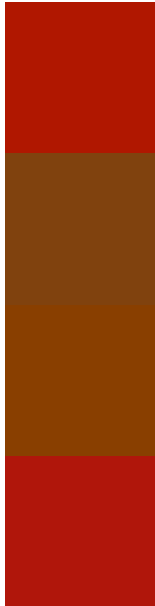
10.2672, 10.2330, 1.4340



Tritanopia

18.3006, 9.8476, 1.5085

Trichromacy



Original Color

18.2109, 9.8429, 0.9400

Protanomaly

10.9296, 8.5173, 1.4834

Deuteranomaly

12.0940, 8.8734, 1.0753

Tritanomaly

18.2518, 9.8281, 1.2516

Monochromacy



Original Color

18.2109, 9.8429, 0.9400

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.5024, 5.5125, 2.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2109, 9.8429, 0.9400 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, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 23, 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, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 23, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2109, 9.8429, 0.9400 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, 23, 0) }
```


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

```
.border{ border-color:rgb(176, 23, 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, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 23, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2109, 9.8429, 0.9400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 23, 0) }
```

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

```
.background{ background-color: rgb(176, 23,  
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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