

Converting Colors

XYZ(18.0941, 10.1317, 8.6423)

Have a look what the booklet for
XYZ(18.0941, 10.1317, 8.6423)
contains.

XYZ(18.0459, 10.1178, 8.5912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0459, 10.1178,
8.5912)**

Conversions

Conversions Part 1

Format	Color
Hex	A72550
RGB	167, 37, 80
RGB Percent	65%, 15%, 31%
CMY	0.3451, 0.8549, 0.6863
CMYK	0.00, 0.78, 0.52, 0.35
HSL	340°, 64%, 40%
HSV	340°, 78%, 65%
XYZ	18.0459, 10.1178, 8.5912
YIQ	80.7720, 63.6770, 40.9330

Conversions

Conversions Part 2

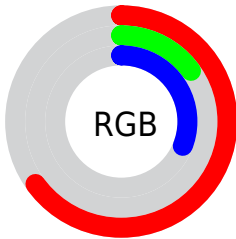
Format	Color
R_{YB}	167, 37, 80
Decimal	10954064
CIE _{Lab}	38.05, 54.39, 7.41
CIE _{LCh}	38, 54.891, 7.762
Yxy	10.1178, 0.4910, 0.2753
Android (android.graphics.Color)	4289144144 (0xFFA72550)
YUV	80.7720, -0.3806, 75.6220
Hunter-Lab	31.8085, 45.6035, 6.2522

Details

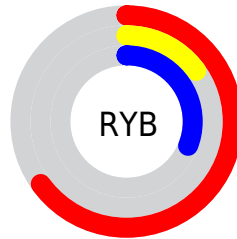
The XYZ color **18.0459, 10.1178, 8.5912** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.2206, 29.4863, 23.8029**, and the grayscale version is **7.7688, 8.1734, 8.9008**.

A 20% lighter version of the original color is **39.7332, 26.1003, 23.7126**, and **6.6251, 3.3786, 1.9720** is the 20% darker color. If you saturate the color by 10%, you get **17.2607, 9.1543, 6.4587**, and if you desaturate by 10%, it is **19.1380, 11.5852, 11.1651**.

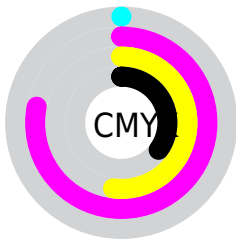
Distribution



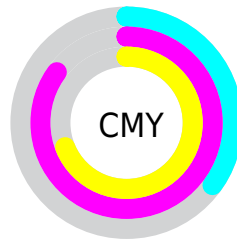
- Red (65%)
- Green (15%)
- Blue (31%)



- Red (65%)
- Yellow (15%)
- Blue (31%)



- Cyan (0%)
- Magenta (78%)
- Yellow (52%)
- Black (35%)





- Cyan (35%)
- Magenta (85%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0459, 10.1178, 8.5912 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 18.0459, 10.1178, 8.5912 by changing the saturation by 10% instead.


 18.0459, 10.1178,
8.5912


 18.0459, 10.1178,
8.5912


234.1702,
191.5108, 190.4027


 11.0828, 5.4771,
4.3824


 39.6450, 26.0168,
23.6746


 6.1903, 2.5298,
1.8374


 55.0117, 38.0440,
35.3862


 3.0029, 0.8915,
0.4524

 73.9104, 53.3021,
50.4358

 1.1553, 0.0000,
0.0000

 96.7064, 72.1756,
69.2419

 0.0706, 0.0000,
0.0000

 123.7650, 95.0488,
92.2231

 0.0000, 0.0000,
0.0000

 155.4516,

122.3061, 119.7980

192.1315,
154.3320, 152.3850

■ 18.0459, 10.1178,
8.5912

■ 18.0459, 10.1178,
8.5912

■ 17.2607, 9.1543,
6.4587

■ 19.1380, 11.5852,
11.1651

■ 16.7303, 8.5957,
4.7333

■ 20.5681, 13.6135,
14.2062

■ 16.6315, 8.4935,
4.4063

■ 22.3640, 16.2538,
17.7386

■ 24.5505, 19.5510,
21.7841

■ 27.1500, 23.5455,
26.3634

■ 30.1831, 28.2749,
31.4959

■ 33.6691, 33.7736,
37.1999

■ 37.6260, 40.0741,
43.4929

■ 42.0710, 47.2070,
50.3916

Harmonies

Analogous

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



17.3798, 10.1178, 20.1480



18.0459, 10.1178, 8.5912



16.0531, 10.1178, 2.8786

Triad

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



18.0459, 10.1178, 8.5912



6.0260, 10.1178, 1.6809



7.2668, 10.1178, 40.6432

Complementary

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



18.0459, 10.1178, 8.5912



18.2206, 29.4863, 23.8029

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.



5.1819, 10.1178, 27.7538



18.0459, 10.1178, 8.5912



4.5975, 10.1178, 5.1696

Square

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



18.0459, 10.1178, 8.5912



8.7276, 10.1178, 0.7844



4.3317, 10.1178, 13.8602



10.5641, 10.1178, 43.7505

Rectangle

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



18.0459, 10.1178, 8.5912



13.7173, 10.1178, 1.3920



4.3317, 10.1178, 13.8602



6.4274, 10.1178, 37.0468

Sweetspot

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



18.0462, 10.1184, 8.5914



50.9283, 45.7483, 51.1562



15.9014, 8.3742, 37.3375



10.9866, 9.6000, 10.7476



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.0462, 10.1184, 8.5914



30.2311, 15.6667, 9.3811



17.8177, 11.4437, 3.0208



7.6296, 7.5817, 8.3668



12.7472, 6.5076, 3.4805



0.3337, 0.1677, 0.2085

Inverse Universe

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



18.0462, 10.1184, 8.5914



30.2311, 15.6667, 9.3811



17.9150, 23.5368, 40.1580



7.6296, 7.5817, 8.3668



12.7472, 6.5076, 3.4805



0.3337, 0.1677, 0.2085

Previews

White Background



This preview shows how the XYZ color 18.0459, 10.1178, 8.5912 looks on a white background.

Color Contrast Check

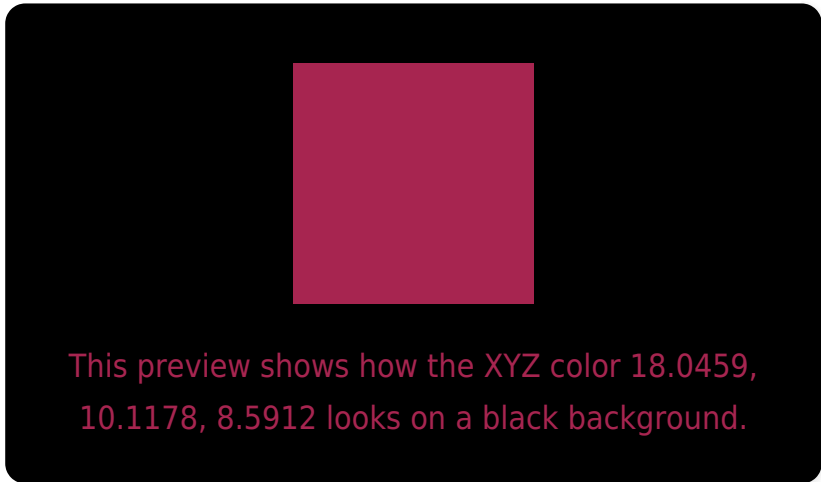
Large Text (above 18pt) WCAG AA ✓ Pass

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

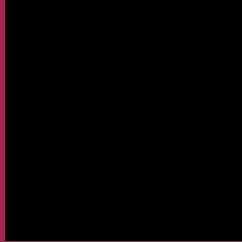
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0459, 10.1178, 8.5912

Background



This preview shows how black text looks on a background with the XYZ color 18.0459, 10.1178, 8.5912.



This preview shows how white text looks on a background with the XYZ color 18.0459, 10.1178,

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

18.0459, 10.1178, 8.5912

Protanopia

10.2934, 10.4213, 15.6563

Deuteranopia

10.4699, 10.3141, 7.9176



Tritanopia

16.9685, 10.0813, 3.7409

Trichromacy



Original Color

18.0459, 10.1178, 8.5912

Protanomaly

11.6603, 9.1013, 12.6974

Deuteranomaly

12.3347, 9.3672, 7.9954

Tritanomaly

17.3433, 10.0787, 5.1690

Monochromacy



Original Color

18.0459, 10.1178, 8.5912

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.0576, 7.8194, 8.7638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0459, 10.1178, 8.5912 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(167, 37, 80)` looks like.

```
.text, #text, p{  
    color:rgb(167, 37, 80)  
}
```

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(167, 37, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 37, 80) }
```

Border

The CSS property to change the border of an element to XYZ 18.0459, 10.1178, 8.5912 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(167, 37, 80) }
```


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

```
.border{ border-color:rgb(167, 37, 80) }
```

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

Here you see how a box with a 4 pixel rgb(167, 37, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 37, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 37, 80);  
box-shadow:4px 4px 4px 4px rgb(167, 37,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0459, 10.1178, 8.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 37, 80) }
```

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

```
.background{ background-color: rgb(167, 37,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor