

Converting Colors

XYZ(17.5817, 8.6951, 3.7422)

Have a look what the booklet for
XYZ(17.5817, 8.6951, 3.7422)
contains.

XYZ(17.8093, 9.1145, 3.8382)	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(17.8093, 9.1145,
3.8382)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0032
RGB	173, 0, 50
RGB Percent	68%, 0%, 20%
CMY	0.3216, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.71, 0.32
HSL	343°, 100%, 34%
HSV	343°, 100%, 68%
XYZ	17.8093, 9.1145, 3.8382
YIQ	57.4270, 87.0580, 52.2260

Conversions

Conversions Part 2

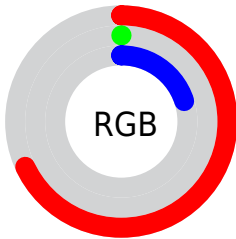
Format	Color
RYB	173, 0, 50
Decimal	11337778
CIELab	36.20, 61.10, 24.43
CIElCh	36, 65.801, 21.794
Yxy	9.1145, 0.5789, 0.2963
Android (android.graphics.Color)	4289527858 (0xFFAD0032)
YUV	57.4270, -3.6615, 101.3575
Hunter-Lab	30.1902, 52.4647, 13.5954

Details

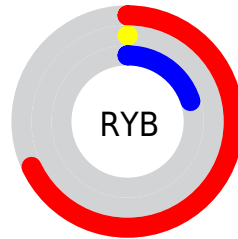
The XYZ color **17.8093, 9.1145, 3.8382** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.5207, 31.3179, 23.8166**, and the grayscale version is **3.9439, 4.1493, 4.5186**.

A 20% lighter version of the original color is **39.1683, 24.0987, 13.6534**, and **6.7095, 3.4557, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **17.8088, 9.1143, 3.8360**, and if you desaturate by 10%, it is **18.3169, 9.6464, 5.4975**.

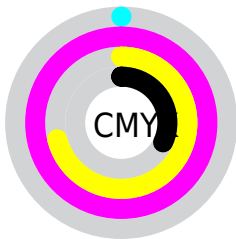
Distribution



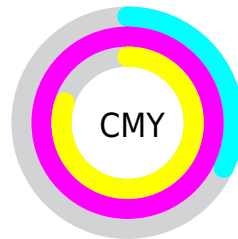
- Red (68%)
- Green (0%)
- Blue (20%)



- Red (68%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8093, 9.1145, 3.8382 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 17.8093, 9.1145, 3.8382 by changing the saturation by 10% instead.


 17.8093, 9.1145,
3.8382


 17.8093, 9.1145,
3.8382


232.8604,
184.2298, 146.4096


 10.9120, 4.8159,
1.5370


 39.2447, 24.1161,
13.6348


 6.0746, 2.1397,
0.2453


 54.5136, 35.5879,
21.9674


 2.9316, 0.6868,
0.0000

 73.3037, 50.2195,
33.1475

 1.1177, 0.0000,
0.0000

 95.9804, 68.3955,
47.5936

 0.0398, 0.0000,
0.0000

 122.9091, 90.5001,
65.7243

 0.0000, 0.0000,
0.0000

 154.4551,

116.9177, 87.9582

190.9837,
148.0328, 114.7138

■ 17.8093, 9.1145,
3.8382

■ 17.8093, 9.1145,
3.8382

■ 17.8088, 9.1143,
3.8360

■ 18.3169, 9.6464,
5.4975

■ 19.0801, 10.5670,
7.6197

■ 20.1747, 12.0203,
10.2535

■ 21.6377, 14.0733,
13.4325

■ 23.5009, 16.7832,
17.1873

■ 25.7926, 20.2005,
21.5460

■ 28.5383, 24.3707,
26.5347

■ 31.7616, 29.3352,
32.1779

■ 35.4843, 35.1329,
38.4987

Harmonies

Analogous

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



18.5723, 9.1145, 13.3664



17.8093, 9.1145, 3.8382



14.2650, 9.1145, 0.7491

Triad

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



17.8093, 9.1145, 3.8382



3.9583, 9.1145, 1.6317



7.6229, 9.1145, 50.8144

Complementary

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



17.8093, 9.1145, 3.8382



18.5207, 31.3179, 23.8166

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.



4.7614, 9.1145, 38.7338



17.8093, 9.1145, 3.8382



3.1081, 9.1145, 7.1303

Square

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



17.8093, 9.1145, 3.8382



6.1367, 9.1145, 0.0925



3.3490, 9.1145, 20.3966



11.8021, 9.1145, 46.9571

Rectangle

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



17.8093, 9.1145, 3.8382



11.2611, 9.1145, 0.0000



3.3490, 9.1145, 20.3966



6.4989, 9.1145, 48.2827

Sweetspot

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



17.8095, 9.1151, 3.8383



50.8240, 43.2079, 47.0105



15.4434, 7.0905, 40.0896



10.5924, 8.6998, 9.4015



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.8095, 9.1151, 3.8383



31.8138, 16.2910, 6.4430



17.8236, 10.0642, 1.0040



8.0969, 8.0520, 8.8209



13.1053, 6.7047, 2.9340



0.3885, 0.1961, 0.2078

Inverse Universe

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



17.8095, 9.1151, 3.8383



31.8138, 16.2910, 6.4430



16.6898, 21.3107, 42.7687



8.0969, 8.0520, 8.8209



13.1053, 6.7047, 2.9340



0.3885, 0.1961, 0.2078

Previews

White Background



This preview shows how the XYZ color 17.8093, 9.1145, 3.8382 looks on a white background.

Color Contrast Check

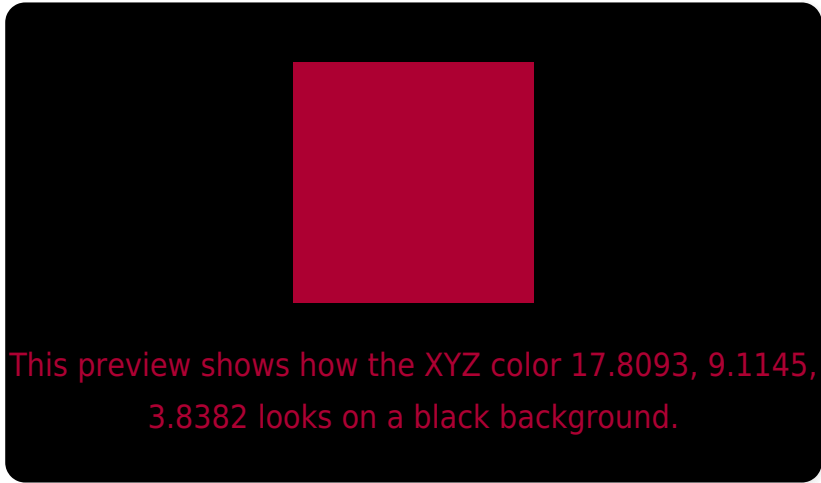
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8093, 9.1145, 3.8382

Background



This preview shows how black text looks on a background with the XYZ color 17.8093, 9.1145, 3.8382.



This preview shows how white text looks on a background with the XYZ color 17.8093, 9.1145,

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

17.8093, 9.1145, 3.8382

Protanopia

9.2400, 9.8010, 7.8834

Deuteranopia

9.8772, 9.7520, 3.4595



Tritanopia

17.3569, 9.3084, 1.3721

Trichromacy



Original Color

17.8093, 9.1145, 3.8382

Protanomaly

10.3943, 7.3476, 5.8714

Deuteranomaly

11.2434, 7.6336, 3.2637

Tritanomaly

17.3668, 9.1423, 1.9479

Monochromacy



Original Color

17.8093, 9.1145, 3.8382

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.4423, 4.1807, 3.9574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8093, 9.1145, 3.8382 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(173, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 50)  
}
```

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(173, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 17.8093, 9.1145, 3.8382 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(173, 0, 50) }
```


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

```
.border{ border-color:rgb(173, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8093, 9.1145, 3.8382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 50) }
```

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

```
.background{ background-color: rgb(173, 0,  
50) }
```

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