

Converting Colors

XYZ(17.9315, 8.1545, 50.0635)

Have a look what the booklet for
XYZ(17.9315, 8.1545, 50.0635)
contains.

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Color

**XYZ(17.8614, 8.1216,
49.9164)**

Conversions

Conversions Part 1

Format	Color
Hex	7D00BF
RGB	125, 0, 191
RGB Percent	49%, 0%, 75%
CMY	0.5098, 1.0000, 0.2510
CMYK	0.35, 1.00, 0.00, 0.25
HSL	279°, 100%, 37%
HSV	279°, 100%, 75%
XYZ	17.8614, 8.1216, 49.9164
YIQ	59.1490, 13.1890, 85.9010

Conversions

Conversions Part 2

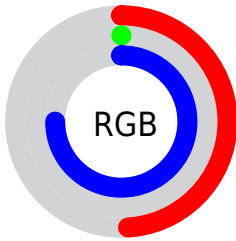
Format	Color
RYB	125, 0, 191
Decimal	8192191
CIELab	34.23, 69.86, -67.60
CIElCh	34, 97.216, 315.942
Yxy	8.1216, 0.2353, 0.1070
Android (android.graphics.Color)	4286382271 (0xFF7D00BF)
YUV	59.1490, 65.0025, 57.7513
Hunter-Lab	28.4984, 62.0027, -83.9005

Details

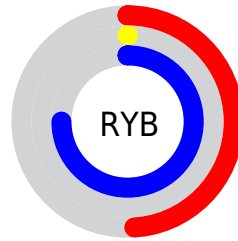
The XYZ color **17.8614, 8.1216, 49.9164** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.8777, 38.4200, 6.3155**, and the grayscale version is **4.0908, 4.3038, 4.6869**.

A 20% lighter version of the original color is **39.4505, 22.1988, 91.8281**, and **6.6907, 2.9358, 23.5066** is the 20% darker color. If you saturate the color by 10%, you get **17.8616, 8.1217, 49.9166**, and if you desaturate by 10%, it is **19.0923, 9.1044, 50.0414**.

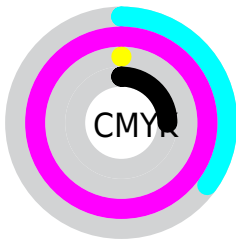
Distribution



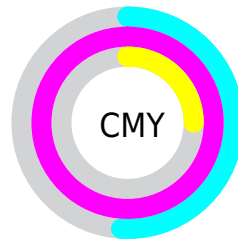
- Red (49%)
- Green (0%)
- Blue (75%)



- Red (49%)
- Yellow (0%)
- Blue (75%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (51%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8614, 8.1216, 49.9164 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 17.8614, 8.1216, 49.9164 by changing the saturation by 10% instead.

■ 17.8614, 8.1216,
49.9164

■ 17.8614, 8.1216,
49.9164

233.1494,
176.6827, 403.0646

■ 10.9496, 4.1729,
34.9763

■ 39.3329, 22.1965,
91.4460

■ 6.1000, 1.7707,
23.3612

■ 54.6234, 33.0914,
118.8726

■ 2.9472, 0.4688,
14.6526

■ 73.4375, 47.0705,
151.2984

■ 1.1259, 0.0000,
8.4321

■ 96.1405, 64.5182,
189.1419

■ 0.0466, 0.0000,
4.2809

■ 123.0979, 85.8189,
232.8218


■ 0.0000, 0.0000,
1.7807


■ 154.6749,


■ 0.0000, 0.0000,

111.3569, 282.7565


0.4152

 191.2370,
141.5167, 339.3646


 0.0000, 0.0000,
0.0000


 17.8614, 8.1216,
49.9164


 17.8614, 8.1216,
49.9164


 17.8616, 8.1217,
49.9166

 19.0923, 9.1044,
50.0414

 20.6184, 10.5815,
50.2461

 22.5244, 12.7198,
50.5584

 24.8536, 15.6042,
50.9923

 27.6427, 19.3064,
51.5599

■ 30.9241, 23.8897,
52.2716

■ 34.7268, 29.4107,
53.1369

■ 39.0778, 35.9215,
54.1643

■ 44.0018, 43.4702,
55.3618

Harmonies

Analogous

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



10.9418, 8.1216, 79.4934



17.8614, 8.1216, 49.9164



22.8357, 8.1216, 18.2270

Triad

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



17.8614, 8.1216, 49.9164



10.5303, 8.1216, 0.0000



1.4168, 8.1216, 19.8026

Complementary

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



17.8614, 8.1216, 49.9164



20.8777, 38.4200, 6.3155

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.



1.3884, 8.1216, 3.4029



17.8614, 8.1216, 49.9164



5.2012, 8.1216, 0.0000

Square

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



17.8614, 8.1216, 49.9164



17.4417, 8.1216, 0.0000



2.3989, 8.1216, 0.0000



2.5116, 8.1216, 52.1443

Rectangle

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



17.8614, 8.1216, 49.9164



23.3663, 8.1216, 6.1046



2.3989, 8.1216, 0.0000



1.3085, 8.1216, 12.2979

Sweetspot

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



17.8619, 8.1219, 49.9166



61.8491, 52.1635, 95.0879



11.4024, 7.7584, 50.1869



12.9216, 10.4891, 20.7288



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



17.8619, 8.1219, 49.9166



31.7185, 14.4058, 89.3880



28.0388, 13.6976, 35.5122



9.6012, 9.5268, 12.0050



11.8277, 5.3835, 32.8086



0.5311, 0.2458, 1.2883

Inverse Universe

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



22.4694, 11.4698, 6.1841



40.1398, 20.5012, 10.5341



18.8484, 37.3487, 7.3557



9.6626, 9.5893, 10.6123



14.8010, 7.5516, 4.2457



0.6111, 0.3083, 0.3311

Previews

White Background



This preview shows how the XYZ color 17.8614, 8.1216, 49.9164 looks on a white background.

Color Contrast Check

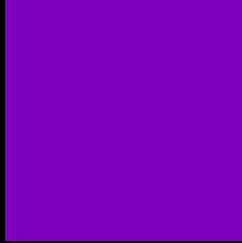
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 17.8614, 8.1216, 49.9164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

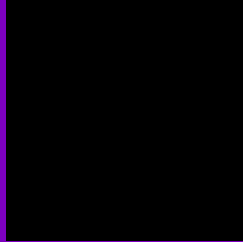
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8614, 8.1216, 49.9164

Background



This preview shows how black text looks on a background with the XYZ color 17.8614, 8.1216, 49.9164.



This preview shows how white text looks on a background with the XYZ color 17.8614, 8.1216,

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

17.8614, 8.1216, 49.9164

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.4368, 8.5723, 28.4041



Tritanopia

9.6730, 8.5544, 8.7308

Trichromacy



Original Color

17.8614, 8.1216, 49.9164

Protanomaly

10.2018, 6.0999, 42.2347

Deuteranomaly

8.9229, 5.8049, 34.8326

Tritanomaly

11.1292, 6.9147, 18.5174

Monochromacy



Original Color

17.8614, 8.1216, 49.9164

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9142, 4.2868, 14.3729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8614, 8.1216, 49.9164 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(125, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 191)  
}
```

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(125, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 17.8614, 8.1216, 49.9164 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(125, 0, 191) }
```


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

```
.border{ border-color:rgb(125, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8614, 8.1216, 49.9164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 191) }
```

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

```
.background{ background-color: rgb(125, 0,  
191) }
```

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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