

Converting Colors

XYZ(34.7070, 17.1798, 33.8054)

Have a look what the booklet for
XYZ(34.7070, 17.1798, 33.8054)
contains.

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Color

**XYZ(34.7868, 17.2203,
33.8381)**

Conversions

Conversions Part 1

Format	Color
Hex	D9009E
RGB	217, 0, 158
RGB Percent	85%, 0%, 62%
CMY	0.1490, 0.9998, 0.3804
CMYK	0.00, 1.00, 0.27, 0.15
HSL	316°, 100%, 43%
HSV	316°, 100%, 85%
XYZ	34.7868, 17.2203, 33.8381
YIQ	82.8950, 78.6140, 95.1420

Conversions

Conversions Part 2

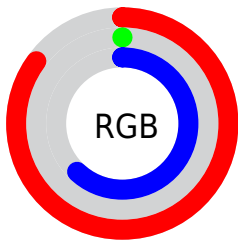
Format	Color
RYB	217, 0, 158
Decimal	14221470
CIELab	48.54, 79.48, -24.20
CIELCh	49, 83.082, 343.065
Yxy	17.2203, 0.4052, 0.2006
Android (android.graphics.Color)	4292411550 (0xFFD9009E)
YUV	82.8950, 37.0268, 117.6101
Hunter-Lab	41.4973, 77.0143, -19.2986

Details

The XYZ color **34.7868, 17.2203, 33.8381** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.6039, 49.9423, 12.4334**, and the grayscale version is **8.1212, 8.5441, 9.3046**.

A 20% lighter version of the original color is **57.1646, 33.8928, 66.4798**, and **16.5061, 8.2087, 14.3501** is the 20% darker color. If you saturate the color by 10%, you get **34.7860, 17.2200, 33.8334**, and if you desaturate by 10%, it is **35.5892, 17.9924, 36.6724**.

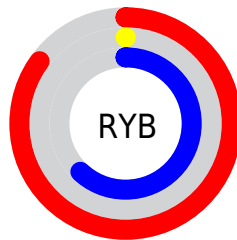
Distribution



Red (85%)

Green (0%)

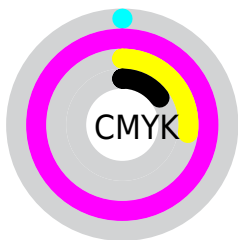
Blue (62%)



Red (85%)

Yellow (0%)

Blue (62%)

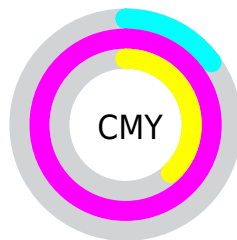


Cyan (0%)

Magenta (100%)

Yellow (27%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7868, 17.2203, 33.8381 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 34.7868, 17.2203, 33.8381 by changing the saturation by 10% instead.

 34.7868, 17.2203,
33.8381


 34.7868, 17.2203,
33.8381


315.1508,
236.4387, 334.1566


 23.6644, 10.3917,
22.4929


 66.4916, 38.7042,
66.8128


 15.2083, 5.6594,
14.0178


 87.8047, 54.1282,
89.2795


 9.0530, 2.6391,
7.9941


 113.2454, 73.1862,
116.2903

 4.8331, 0.9464,
4.0035

 143.1791, 96.2624,
148.2639

 2.1834, 0.0000,
1.6272

 177.9711,
123.7414, 185.6188

 0.7340, 0.0000,
0.3101

 217.9869,

 0.0000, 0.0000,

156.0076, 228.7735

0.0000

263.5916,
193.4452, 278.1466

■ 34.7868, 17.2203,
33.8381

■ 34.7868, 17.2203,
33.8381

■ 34.7860, 17.2200,
33.8334

■ 35.5892, 17.9924,
36.6724

■ 36.7323, 19.4064,
39.7421

■ 38.3208, 21.6712,
43.0839

■ 40.4132, 24.9032,
46.7188

■ 43.0589, 29.2006,
50.6648

■ 46.3009, 34.6492,
54.9379

■ 50.1783, 41.3264,
59.5525

■ 54.7265, 49.3026,
64.5218

■ 59.9783, 58.6429,
69.8583

Harmonies

Analogous

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



28.5622, 17.2203, 69.2168



34.7868, 17.2203, 33.8381



35.2123, 17.2203, 10.7681

Triad

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



34.7868, 17.2203, 33.8381



13.2711, 17.2203, 0.1924



7.8210, 17.2203, 64.5353

Complementary

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



34.7868, 17.2203, 33.8381



25.6039, 49.9423, 12.4334

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.



5.8349, 17.2203, 29.9368



34.7868, 17.2203, 33.8381



8.2570, 17.2203, 1.7603

Square

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



34.7868, 17.2203, 33.8381



21.0217, 17.2203, 0.2940



5.9647, 17.2203, 8.9837



12.4564, 17.2203, 94.4613

Rectangle

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



34.7868, 17.2203, 33.8381



31.9906, 17.2203, 3.9025



5.9647, 17.2203, 8.9837



6.8967, 17.2203, 52.2671

Sweetspot

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



34.7874, 17.2212, 33.8384



72.1396, 59.2520, 85.6248



14.2637, 5.9070, 66.0342



14.9098, 11.7632, 17.7098



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.7874, 17.2212, 33.8384



50.0664, 24.7905, 48.4090



29.2059, 14.9887, 4.4470



13.4554, 13.2113, 15.6594



21.1040, 10.4426, 20.7253



1.4026, 0.6907, 1.5291

Inverse Universe

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



34.7874, 17.2212, 33.8384



50.0664, 24.7905, 48.4090



31.7309, 52.3931, 44.6980



13.4554, 13.2113, 15.6594



21.1040, 10.4426, 20.7253



1.4026, 0.6907, 1.5291

Previews

White Background



This preview shows how the XYZ color 34.7868, 17.2203, 33.8381 looks on a white background.

Color Contrast Check

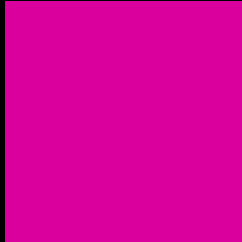
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.7868, 17.2203, 33.8381 looks on a 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 34.7868, 17.2203, 33.8381

Background



This preview shows how black text looks on a background with the XYZ color 34.7868, 17.2203, 33.8381.



This preview shows how white text looks on a background with the XYZ color 34.7868, 17.2203,

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

34.7868, 17.2203, 33.8381

Protanopia

21.1292, 18.2551, 73.6441

Deuteranopia

18.2861, 17.9103, 30.5102



Tritanopia

29.2551, 17.5285, 6.8425

Trichromacy



Original Color

34.7868, 17.2203, 33.8381



Protanomaly

19.7352, 12.4928, 56.6295



Deuteranomaly

20.8125, 13.6114, 31.2361



Tritanomaly

30.4182, 16.4980, 13.3856

Monochromacy



Original Color

34.7868, 17.2203, 33.8381



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6033, 8.5775, 15.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7868, 17.2203, 33.8381 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(217, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 158)  
}
```

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(217, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 34.7868, 17.2203, 33.8381 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(217, 0, 158) }
```


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

```
.border{ border-color:rgb(217, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7868, 17.2203, 33.8381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 158) }
```

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

```
.background{ background-color: rgb(217, 0,  
158) }
```

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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