

Converting Colors

XYZ(35.9474, 17.1642, 63.4774)

Have a look what the booklet for
XYZ(35.9474, 17.1642, 63.4774)
contains.

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Color

**XYZ(35.9711, 17.1710,
63.7058)**

Conversions

Conversions Part 1

Format	Color
Hex	C900D4
RGB	201, 0, 212
RGB Percent	79%, 0%, 83%
CMY	0.2118, 0.9999, 0.1686
CMYK	0.05, 1.00, 0.00, 0.17
HSL	297°, 100%, 42%
HSV	297°, 100%, 83%
XYZ	35.9711, 17.1710, 63.7058
YIQ	84.2670, 51.7440, 108.5440

Conversions

Conversions Part 2

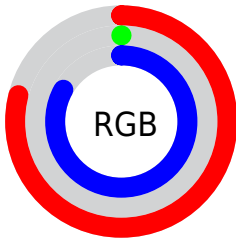
Format	Color
R _Y B	201, 0, 212
Decimal	13172948
CIE Lab	48.47, 83.76, -56.11
CIE LCh	48, 100.817, 326.180
Yxy	17.1710, 0.3078, 0.1470
Android (android.graphics.Color)	4291363028 (0xFFC900D4)
YUV	84.2670, 62.9724, 102.3748
Hunter-Lab	41.4379, 82.4346, -62.1447

Details

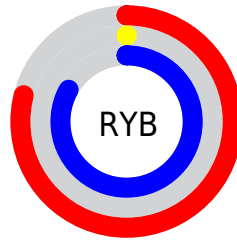
The XYZ color **35.9711, 17.1710, 63.7058** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.6820, 47.1585, 7.8550**, and the grayscale version is **8.3516, 8.7866, 9.5686**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.1561, 8.1511, 32.1216** is the 20% darker color. If you saturate the color by 10%, you get **35.9712, 17.1711, 63.7060**, and if you desaturate by 10%, it is **36.5407, 17.8689, 63.8107**.

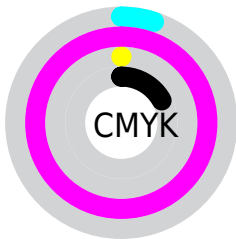
Distribution



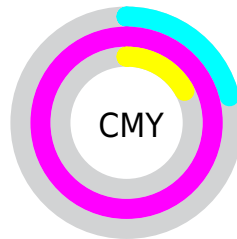
- Red (79%)
- Green (0%)
- Blue (83%)



- Red (79%)
- Yellow (0%)
- Blue (83%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (21%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9711, 17.1710, 63.7058 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 35.9711, 17.1710, 63.7058 by changing the saturation by 10% instead.

 35.9711, 17.1710,
63.7058


 35.9711, 17.1710,
63.7058


320.2677,
236.1559, 456.3047


 24.5819, 10.3565,
45.9678


 68.3116, 38.6195,
111.7825

 15.8929, 5.6360,
31.8719


 89.9936, 54.0224,
142.9583


 9.5388, 2.6250,
20.9997


 115.8373, 73.0568,
179.4504

 5.1541, 0.9393,
12.9325

 146.2079, 96.1071,
221.6774

 2.3737, 0.0000,
7.2519

 181.4709,
123.5578, 270.0577

 0.8320, 0.0000,
3.5393

 221.9917,

 0.0000, 0.0000,

155.7932, 325.0101

1.3762

268.1354,
193.1978, 386.9529

■ 0.0000, 0.0000,
0.1230

■ 0.0000, 0.0000,
0.0000

■ 35.9711, 17.1710,
63.7058

■ 35.9711, 17.1710,
63.7058

■ 35.9712, 17.1711,
63.7060

■ 36.5407, 17.8689,
63.8107

■ 37.4104, 19.1646,
64.0150

■ 38.6807, 21.2582,
64.3521

■ 40.4062, 24.2593,
64.8405

■ 42.6334, 28.2604,
65.4954

■ 45.4027, 33.3427,
66.3304

■ 48.7506, 39.5787,
67.3576

■ 52.7102, 47.0351,
68.5882

■ 57.3122, 55.7732,
70.0322

Harmonies

Analogous

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



25.4781, 17.1710, 111.5807



35.9711, 17.1710, 63.7058



41.2319, 17.1710, 22.2942

Triad

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



35.9711, 17.1710, 63.7058



17.5327, 17.1710, 0.0000



5.0069, 17.1710, 51.3170

Complementary

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



35.9711, 17.1710, 63.7058



23.6820, 47.1585, 7.8550

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.



4.2390, 17.1710, 15.5079



35.9711, 17.1710, 63.7058



9.6714, 17.1710, 0.0000

Square

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



35.9711, 17.1710, 63.7058



28.3370, 17.1710, 0.0000



5.5647, 17.1710, 2.2706



8.2963, 17.1710, 100.7974

Rectangle

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



35.9711, 17.1710, 63.7058



40.0123, 17.1710, 7.8020



5.5647, 17.1710, 2.2706



4.5151, 17.1710, 36.7552

Sweetspot

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



35.9718, 17.1718, 63.7062



73.8648, 59.7751, 102.2524



12.0432, 5.0719, 62.6318



15.3254, 11.8887, 21.7370



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.



35.9718, 17.1718, 63.7062



54.5887, 26.0564, 96.7600



30.5507, 15.3572, 19.1693



12.8864, 12.5984, 15.6901



22.2337, 10.6144, 39.3301



1.3610, 0.6505, 2.3731

Inverse Universe

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



27.2123, 14.0219, 1.5896



41.3141, 21.2897, 2.3204



25.4704, 47.8579, 17.9930



12.4491, 12.4311, 13.0393



16.8105, 8.6605, 1.0402



1.0233, 0.5261, 0.1122

Previews

White Background



This preview shows how the XYZ color 35.9711, 17.1710, 63.7058 looks on a white background.

Color Contrast Check

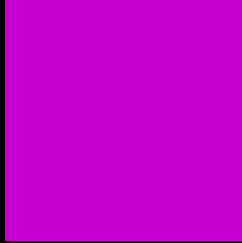
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9711, 17.1710, 63.7058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

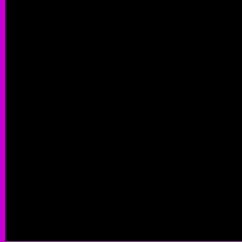
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.9711, 17.1710, 63.7058

Background



This preview shows how black text looks on a background with the XYZ color 35.9711, 17.1710, 63.7058.



This preview shows how white text looks on a background with the XYZ color 35.9711, 17.1710,

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

35.9711, 17.1710, 63.7058

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

18.4181, 17.9211, 56.5212



Tritanopia

25.3899, 17.4726, 11.4855

Trichromacy



Original Color

35.9711, 17.1710, 63.7058



Protanomaly

19.2079, 11.7083, 75.3763



Deuteranomaly

19.7218, 12.6430, 58.5276



Tritanomaly

27.3144, 15.4739, 24.1014

Monochromacy



Original Color

35.9711, 17.1710, 63.7058



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1222, 8.6969, 22.4071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9711, 17.1710, 63.7058 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(201, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 212)  
}
```

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(201, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 35.9711, 17.1710, 63.7058 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(201, 0, 212) }
```


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

```
.border{ border-color:rgb(201, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9711, 17.1710, 63.7058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 212) }
```

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

```
.background{ background-color: rgb(201, 0,  
212) }
```

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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