

Converting Colors

XYZ(35.8249, 17.6270, 39.6905)

Have a look what the booklet for
XYZ(35.8249, 17.6270, 39.6905)
contains.

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Color

**XYZ(35.8710, 17.6540,
39.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	D900AA
RGB	217, 0, 170
RGB Percent	85%, 0%, 67%
CMY	0.1490, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.22, 0.15
HSL	313°, 100%, 43%
HSV	313°, 100%, 85%
XYZ	35.8710, 17.6540, 39.5472
YIQ	84.2630, 74.7620, 98.8740

Conversions

Conversions Part 2

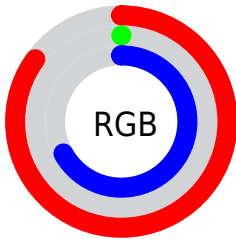
Format	Color
R _Y B	217, 0, 170
Decimal	14221482
CIE Lab	49.07, 80.84, -30.50
CIE LCh	49, 86.403, 339.329
Yxy	17.6540, 0.3854, 0.1897
Android (android.graphics.Color)	4292411562 (0xFFD900AA)
YUV	84.2630, 42.2683, 116.4103
Hunter-Lab	42.0167, 78.8621, -26.3937

Details

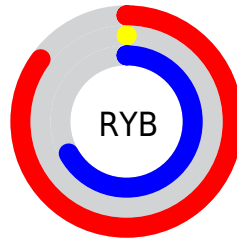
The XYZ color **35.8710, 17.6540, 39.5472** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.3274, 49.8318, 10.9770**, and the grayscale version is **8.3902, 8.8272, 9.6128**.

A 20% lighter version of the original color is **58.9702, 34.7564, 75.5521**, and **17.1155, 8.4525, 17.5590** is the 20% darker color. If you saturate the color by 10%, you get **35.8704, 17.6538, 39.5432**, and if you desaturate by 10%, it is **36.6059, 18.3991, 42.0258**.

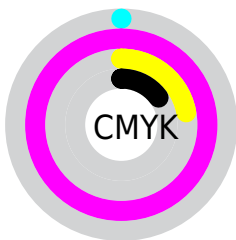
Distribution



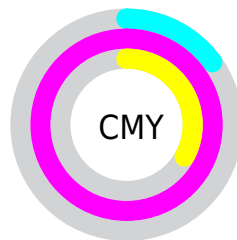
- Red (85%)
- Green (0%)
- Blue (67%)



- Red (85%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8710, 17.6540, 39.5472 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 35.8710, 17.6540, 39.5472 by changing the saturation by 10% instead.

 35.8710, 17.6540,
39.5472


 35.8710, 17.6540,
39.5472

319.8374,
238.9135, 359.7066


 24.5042, 10.7019,
26.8746


 68.1581, 39.4469,
75.7030


 15.8348, 5.8667,
17.2474

 89.8091, 55.0564,
100.0233


 9.4975, 2.7642,
10.2473


 115.6189, 74.3205,
129.0633

 5.1267, 1.0099,
5.4555

 145.9529, 97.6236,
163.2414

 2.3573, 0.0000,
2.4535

 181.1764,
125.3500, 202.9763

 0.8238, 0.0000,
0.8154

 221.6547,

 0.0000, 0.0000,

157.8842, 248.6864

0.0000

267.7533,
195.6106, 300.7903

■ 35.8710, 17.6540,
39.5472

■ 35.8710, 17.6540,
39.5472

■ 35.8704, 17.6538,
39.5432

■ 36.6059, 18.3991,
42.0258

■ 37.6728, 19.7826,
44.6942

■ 39.1762, 22.0134,
47.5882

■ 41.1746, 25.2077,
50.7280

■ 43.7171, 29.4638,
54.1307

■ 46.8467, 34.8674,
57.8114

■ 50.6021, 41.4958,
61.7839

■ 55.0187, 49.4194,
66.0606

■ 60.1292, 58.7032,
70.6530

Harmonies

Analogous

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



28.6506, 17.6540, 78.1008



35.8710, 17.6540, 39.5472



37.2035, 17.6540, 12.8848

Triad

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



35.8710, 17.6540, 39.5472



14.3895, 17.6540, 0.0000



7.4160, 17.6540, 63.3393

Complementary

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



35.8710, 17.6540, 39.5472



25.3274, 49.8318, 10.9770

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.



5.6580, 17.6540, 27.3568



35.8710, 17.6540, 39.5472



8.7458, 17.6540, 1.2703

Square

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



35.8710, 17.6540, 39.5472



22.8704, 17.6540, 0.2635



6.0511, 17.6540, 7.4209



11.8793, 17.6540, 97.9016

Rectangle

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



35.8710, 17.6540, 39.5472



34.2543, 17.6540, 4.6432



6.0511, 17.6540, 7.4209



6.5662, 17.6540, 50.2119

Sweetspot

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



35.8716, 17.6549, 39.5475



72.7556, 59.4984, 88.8686



13.5393, 5.5336, 66.0005



15.0580, 11.8224, 18.4901



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.



35.8716, 17.6549, 39.5475



51.6373, 25.4189, 56.6812



29.5737, 15.1358, 6.3832



13.4873, 13.2240, 15.8274



21.7545, 10.7028, 24.1510



1.4400, 0.7056, 1.7259

Inverse Universe

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



35.8716, 17.6549, 39.5475



51.6373, 25.4189, 56.6812



30.4738, 51.8904, 38.0777



13.4873, 13.2240, 15.8274



21.7545, 10.7028, 24.1510



1.4400, 0.7056, 1.7259

Previews

White Background



This preview shows how the XYZ color 35.8710, 17.6540, 39.5472 looks on a white background.

Color Contrast Check

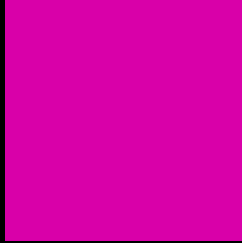
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8710, 17.6540, 39.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

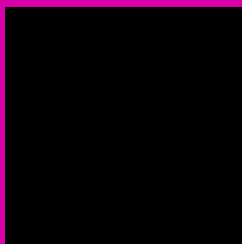
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8710, 17.6540, 39.5472

Background



This preview shows how black text looks on a background with the XYZ color 35.8710, 17.6540, 39.5472.



This preview shows how white text looks on a background with the XYZ color 35.8710, 17.6540,

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

35.8710, 17.6540, 39.5472

Protanopia

22.2254, 18.5561, 85.6294

Deuteranopia

18.6827, 18.3516, 35.3584



Tritanopia

29.4390, 18.0246, 7.8887

Trichromacy



Original Color

35.8710, 17.6540, 39.5472



Protanomaly

19.1625, 11.9985, 65.5960



Deuteranomaly

21.0923, 13.7449, 36.1917



Tritanomaly

30.6691, 16.7863, 15.5336

Monochromacy



Original Color

35.8710, 17.6540, 39.5472



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.8833, 8.6895, 17.1652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8710, 17.6540, 39.5472 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 35.8710, 17.6540, 39.5472 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, 170) }
```


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

```
.border{ border-color:rgb(217, 0, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8710, 17.6540, 39.5472 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, 170) }
```

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

```
.background{ background-color: rgb(217, 0,  
170) }
```

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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