

Converting Colors

XYZ(35.4694, 17.2285, 49.3972)

Have a look what the booklet for
XYZ(35.4694, 17.2285, 49.3972)
contains.

XYZ(35.4798, 17.2294, 49.5997)	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(35.4798, 17.2294,
49.5997)**

Conversions

Conversions Part 1

Format	Color
Hex	D100BD
RGB	209, 0, 189
RGB Percent	82%, 0%, 74%
CMY	0.1804, 0.9999, 0.2588
CMYK	0.00, 1.00, 0.10, 0.18
HSL	306°, 100%, 41%
HSV	306°, 100%, 82%
XYZ	35.4798, 17.2294, 49.5997
YIQ	84.0370, 63.8950, 103.0870

Conversions

Conversions Part 2

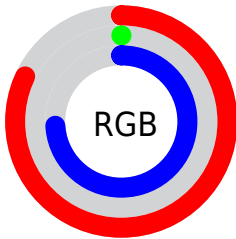
Format	Color
R_{YB}	209, 0, 189
Decimal	13697213
CIE _{Lab}	48.55, 81.79, -42.60
CIE _{LCh}	49, 92.218, 332.488
Yxy	17.2294, 0.3468, 0.1684
Android (android.graphics.Color)	4291887293 (0xFFD100BD)
YUV	84.0370, 51.7468, 109.5926
Hunter-Lab	41.5083, 79.9358, -41.7918

Details

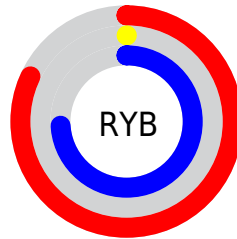
The XYZ color **35.4798, 17.2294, 49.5997** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **22.9276, 45.6522, 8.2666**, and the grayscale version is **8.3256, 8.7592, 9.5387**.

A 20% lighter version of the original color is **61.7889, 35.7425, 90.8311**, and **16.9509, 8.2333, 23.6174** is the 20% darker color. If you saturate the color by 10%, you get **35.4798, 17.2295, 49.5983**, and if you desaturate by 10%, it is **35.9657, 17.8509, 50.8405**.

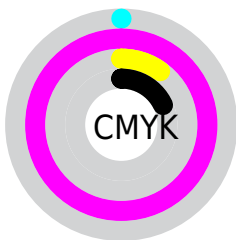
Distribution



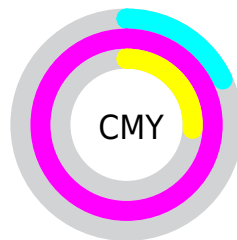
- Red (82%)
- Green (0%)
- Blue (74%)



- Red (82%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4798, 17.2294, 49.5997 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 35.4798, 17.2294, 49.5997 by changing the saturation by 10% instead.

 35.4798, 17.2294,
49.5997


 35.4798, 17.2294,
49.5997

318.1521,
236.4909, 401.7886


 24.2009, 10.3982,
34.7265


 67.5575, 38.7198,
90.9717


 15.6083, 5.6638,
23.1704


 89.0871, 54.1477,
118.3075

 9.3365, 2.6417,
14.5129


 114.7643, 73.2100,
150.6347

 5.0202, 0.9477,
8.3354

 144.9545, 96.2911,
188.3716

 2.2940, 0.0000,
4.2195

 180.0230,
123.7753, 231.9370

 0.7916, 0.0000,
1.7465

 220.3352,

 0.0000, 0.0000,

156.0471, 281.7492

0.3923

266.2565,
193.4908, 338.2269

■ 0.0000, 0.0000,
0.0000

■ 35.4798, 17.2294,
49.5997

■ 35.4798, 17.2294,
49.5997

■ 35.4798, 17.2295,
49.5983

■ 35.9657, 17.8509,
50.8405

■ 36.7425, 19.0497,
52.1931

■ 37.9079, 21.0209,
53.6901

■ 39.5148, 23.8702,
55.3491

■ 41.6077, 27.6869,
57.1853

■ 44.2260, 32.5492,
59.2115

■ 47.4046, 38.5274,
61.4397

■ 51.1757, 45.6856,
63.8806

■ 55.5690, 54.0831,
66.5441

Harmonies

Analogous

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



26.7719, 17.2294, 91.9967



35.4798, 17.2294, 49.5997



38.6259, 17.2294, 16.8072

Triad

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



35.4798, 17.2294, 49.5997



15.6792, 17.2294, 0.0000



6.1230, 17.2294, 56.6116

Complementary

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



35.4798, 17.2294, 49.5997



22.9276, 45.6522, 8.2666

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.



4.9002, 17.2294, 20.8583



35.4798, 17.2294, 49.5997



9.0944, 17.2294, 0.4137

Square

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



35.4798, 17.2294, 49.5997



25.1083, 17.2294, 0.1338



5.7634, 17.2294, 4.4114



9.9470, 17.2294, 97.9653

Rectangle

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



35.4798, 17.2294, 49.5997



36.4993, 17.2294, 5.9785



5.7634, 17.2294, 4.4114



5.4679, 17.2294, 42.8484

Sweetspot

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



35.4805, 17.2303, 49.6000



74.1534, 60.0575, 96.2293



11.7483, 4.7275, 60.6156



15.3961, 11.9577, 20.2706



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.



35.4805, 17.2303, 49.6000



55.6065, 27.0066, 77.5828



28.0196, 14.2459, 10.3115



12.2600, 11.9887, 14.6449



21.8956, 10.6311, 30.6862



1.2388, 0.6002, 1.7922

Inverse Universe

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



35.4805, 17.2303, 49.6000



55.6065, 27.0066, 77.5828



26.3096, 47.0050, 26.0758



12.2600, 11.9887, 14.6449



21.8956, 10.6311, 30.6862



1.2388, 0.6002, 1.7922

Previews

White Background



This preview shows how the XYZ color 35.4798, 17.2294, 49.5997 looks on a white background.

Color Contrast Check

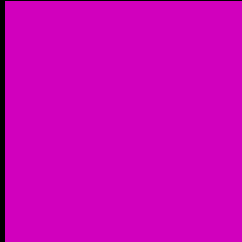
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.4798, 17.2294, 49.5997 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 35.4798, 17.2294, 49.5997

Background



This preview shows how black text looks on a background with the XYZ color 35.4798, 17.2294, 49.5997.



This preview shows how white text looks on a background with the XYZ color 35.4798, 17.2294,

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

35.4798, 17.2294, 49.5997

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.3216, 17.9716, 44.0982



Tritanopia

27.1488, 17.4678, 9.3379

Trichromacy



Original Color

35.4798, 17.2294, 49.5997



Protanomaly

18.3490, 11.3917, 69.6383



Deuteranomaly

20.3050, 13.1393, 45.1820



Tritanomaly

28.7034, 15.9215, 19.0131

Monochromacy



Original Color

35.4798, 17.2294, 49.5997



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.8392, 8.6185, 19.3465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4798, 17.2294, 49.5997 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(209, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 189)  
}
```

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(209, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 35.4798, 17.2294, 49.5997 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(209, 0, 189) }
```


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

```
.border{ border-color:rgb(209, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4798, 17.2294, 49.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 189) }
```

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

```
.background{ background-color: rgb(209, 0,  
189) }
```

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