

# Converting Colors

XYZ(35.5137, 17.5025, 38.0534)

Have a look what the booklet for  
XYZ(35.5137, 17.5025, 38.0534)  
contains.

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# Color

**XYZ(35.5903, 17.5417,  
38.0693)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D900A7
RGB	217, 0, 167
RGB Percent	85%, 0%, 65%
CMY	0.1490, 0.9999, 0.3451
CMYK	0.00, 1.00, 0.23, 0.15
HSL	314°, 100%, 43%
HSV	314°, 100%, 85%
XYZ	35.5903, 17.5417, 38.0693
YIQ	83.9210, 75.7250, 97.9410

# Conversions

## Conversions Part 2

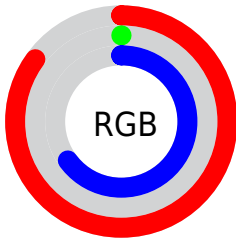
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 0, 167
Decimal	14221479
CIE <sub>Lab</sub>	48.94, 80.49, -28.94
CIE <sub>LCh</sub>	49, 85.536, 340.225
Yxy	17.5417, 0.3902, 0.1923
Android (android.graphics.Color)	4292411559 (0xFFD900A7)
YUV	83.9210, 40.9579, 116.7103
Hunter-Lab	41.8828, 78.3871, -24.5736

# Details

The XYZ color **35.5903, 17.5417, 38.0693** 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 **25.3900, 49.8568, 11.3071**, and the grayscale version is **8.3224, 8.7558, 9.5351**.

A 20% lighter version of the original color is **58.3392, 34.3626, 72.6651**, and **16.9991, 8.4059, 16.9462** is the 20% darker color. If you saturate the color by 10%, you get **35.5897, 17.5415, 38.0652**, and if you desaturate by 10%, it is **36.3438, 18.2942, 40.6460**.

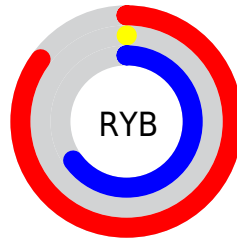
# Distribution



Red (85%)

Green (0%)

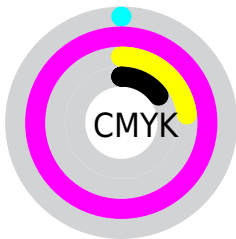
Blue (65%)



Red (85%)

Yellow (0%)

Blue (65%)

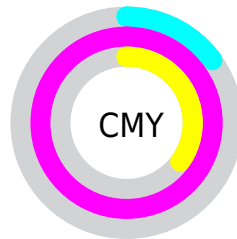


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (15%)



Cyan (15%)

Magenta (100%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5903, 17.5417, 38.0693 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 35.5903, 17.5417, 38.0693 by changing the saturation by 10% instead.




 35.5903, 17.5417,  
38.0693

 35.5903, 17.5417,  
38.0693


318.6288,  
238.2750, 353.2243


 24.2866, 10.6215,  
25.7342


 67.7272, 39.2548,  
73.4189


 15.6722, 5.8129,  
16.4009


 89.2912, 54.8165,  
97.2706


 9.3819, 2.7317,  
9.6509


 115.0059, 74.0274,  
125.7982

 5.0502, 0.9933,  
5.0655

 145.2368, 97.2721,  
159.4203

 2.3118, 0.0000,  
2.2264

 180.3492,  
124.9347, 198.5554

 0.8007, 0.0000,  
0.6895

 220.7084,

 0.0000, 0.0000,

157.3998, 243.6221

0.0000

266.6798,  
195.0518, 295.0388

■ 35.5903, 17.5417,  
38.0693

■ 35.5903, 17.5417,  
38.0693

■ 35.5897, 17.5415,  
38.0652

■ 36.3438, 18.2942,  
40.6460

■ 37.4313, 19.6860,  
43.4230

■ 38.9574, 21.9258,  
46.4364

■ 40.9806, 25.1300,  
49.7066

■ 43.5499, 29.3968,  
53.2508

■ 46.7085, 34.8120,  
57.0843

■ 50.4951, 41.4528,  
61.2210

■ 54.9451, 49.3897,  
65.6735

■ 60.0911, 58.6877,  
70.4536

# Harmonies

## Analogous

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



28.6205, 17.5417, 75.8130



35.5903, 17.5417, 38.0693



36.6935, 17.5417, 12.3352

# Triad

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



35.5903, 17.5417, 38.0693



14.1040, 17.5417, 0.0136



7.5134, 17.5417, 63.6131

# Complementary

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



35.5903, 17.5417, 38.0693



25.3900, 49.8568, 11.3071

# 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.



5.7005, 17.5417, 27.9725



35.5903, 17.5417, 38.0693



8.6215, 17.5417, 1.3817

# Square

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



35.5903, 17.5417, 38.0693



22.3976, 17.5417, 0.2713



6.0287, 17.5417, 7.7874



12.0175, 17.5417, 97.0106



# Rectangle

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



35.5903, 17.5417, 38.0693



33.6751, 17.5417, 4.4516



6.0287, 17.5417, 7.7874



6.6457, 17.5417, 50.6991

# Sweetspot

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



35.5909, 17.5426, 38.0696



72.6003, 59.4362, 88.0505



13.6993, 5.6160, 66.0079



15.0206, 11.8075, 18.2930



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.



35.5909, 17.5426, 38.0696



51.2305, 25.2562, 54.5391



29.4719, 15.0951, 5.8476



13.4793, 13.2208, 15.7853



21.5862, 10.6355, 23.2648



1.4304, 0.7018, 1.6754



# Inverse Universe

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



35.5909, 17.5426, 38.0696



51.2305, 25.2562, 54.5391



30.7743, 52.0105, 39.6603



13.4793, 13.2208, 15.7853



21.5862, 10.6355, 23.2648



1.4304, 0.7018, 1.6754



# Previews

## White Background



This preview shows how the XYZ color 35.5903, 17.5417, 38.0693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

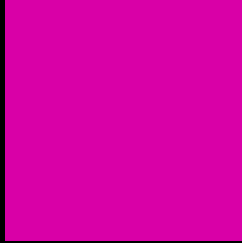
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.5903, 17.5417, 38.0693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

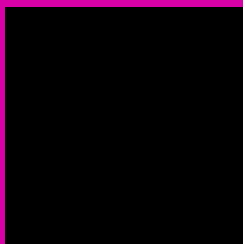
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.5903, 17.5417, 38.0693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5903, 17.5417, 38.0693.



This preview shows how white text looks on a background with the XYZ color 35.5903, 17.5417,

38.0693.

# 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

35.5903, 17.5417, 38.0693

### Protanopia

21.9631, 18.4891, 82.5319

### Deuteranopia

18.5528, 18.1423, 33.9765



## Tritanopia

29.3169, 17.8814, 7.5365

# Trichromacy



## Original Color

35.5903, 17.5417, 38.0693



## Protanomaly

19.6330, 12.2853, 63.6239



## Deuteranomaly

21.0067, 13.7315, 34.8010



## Tritanomaly

30.5291, 16.6729, 14.9737

# Monochromacy



## Original Color

35.5903, 17.5417, 38.0693



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

13.8261, 8.6666, 16.8637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5903, 17.5417, 38.0693 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5903, 17.5417, 38.0693 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, 167) }
```



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

```
.border{ border-color:rgb(217, 0, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5903, 17.5417, 38.0693 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, 167) }
```

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

```
.background{ background-color: rgb(217, 0,  
167) }
```

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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