

# Converting Colors

XYZ(35.0872, 17.1714, 43.0601)

Have a look what the booklet for  
XYZ(35.0872, 17.1714, 43.0601)  
contains.

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# Color

**XYZ(35.0872, 17.1714,  
43.0601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D400B1
RGB	212, 0, 177
RGB Percent	83%, 0%, 69%
CMY	0.1686, 0.9999, 0.3059
CMYK	0.00, 1.00, 0.17, 0.17
HSL	310°, 100%, 42%
HSV	310°, 100%, 83%
XYZ	35.0872, 17.1714, 43.0601
YIQ	83.5660, 69.5350, 99.9910

# Conversions

## Conversions Part 2

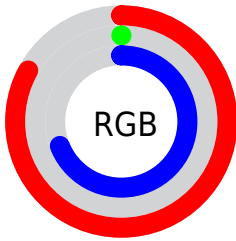
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 0, 177
Decimal	13893809
CIE <sub>Lab</sub>	48.48, 80.77, -35.64
CIE <sub>LCh</sub>	48, 88.282, 336.191
Yxy	17.1714, 0.3681, 0.1801
Android (android.graphics.Color)	4292083889 (0xFFD400B1)
YUV	83.5660, 46.0630, 112.6366
Hunter-Lab	41.4384, 78.6244, -32.6035

# Details

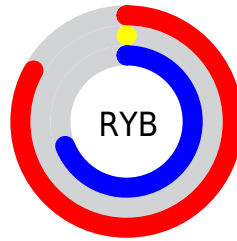
The XYZ color **35.0872, 17.1714, 43.0601** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **23.8480, 47.2091, 9.4484**, and the grayscale version is **8.2406, 8.6697, 9.4413**.

A 20% lighter version of the original color is **59.8623, 34.9719, 80.6860**, and **16.5870, 8.1306, 19.7639** is the 20% darker color. If you saturate the color by 10%, you get **35.0868, 17.1712, 43.0571**, and if you desaturate by 10%, it is **35.7135, 17.8580, 45.0127**.

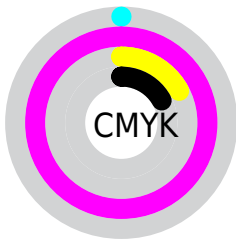
# Distribution



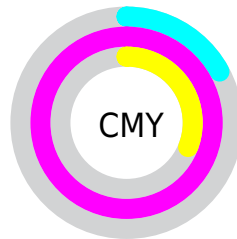
- Red (83%)
- Green (0%)
- Blue (69%)



- Red (83%)
- Yellow (0%)
- Blue (69%)



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




- Cyan (17%)
- Magenta (100%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0872, 17.1714, 43.0601 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 35.0872, 17.1714, 43.0601 by changing the saturation by 10% instead.





 35.0872, 17.1714,  
43.0601


 35.0872, 17.1714,  
43.0601


316.4543,  
236.1582, 374.7873


 23.8969, 10.3568,  
29.6005


 66.9540, 38.6202,  
81.0889

 15.3815, 5.6361,  
19.2861


 88.3611, 54.0232,  
106.4952

 9.1756, 2.6251,  
11.6983


 113.9046, 73.0578,  
136.7207

 4.9139, 0.9393,  
6.4185

 143.9498, 96.1084,  
172.1842

 2.2311, 0.0000,  
3.0283

 178.8620,  
123.5593, 213.3040

 0.7590, 0.0000,  
1.1091

 219.0066,

 0.0000, 0.0000,

155.7950, 260.4988

0.0000

264.7489,  
193.1998, 314.1871

■ 35.0872, 17.1714,  
43.0601

■ 35.0872, 17.1714,  
43.0601

■ 35.0868, 17.1712,  
43.0571

■ 35.7135, 17.8580,  
45.0127

■ 36.6470, 19.1450,  
47.1121

■ 37.9881, 21.2325,  
49.3922

■ 39.7915, 24.2302,  
51.8716

■ 42.1037, 28.2306,  
54.5659

■ 44.9651, 33.3147,  
57.4891

■ 48.4123, 39.5553,  
60.6535

■ 52.4785, 47.0189,  
64.0707

■ 57.1945, 55.7669,  
67.7511

# Harmonies

## Analogous

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



27.3354, 17.1714, 82.6107



35.0872, 17.1714, 43.0601



37.1813, 17.1714, 14.2927

# Triad

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



35.0872, 17.1714, 43.0601



14.7004, 17.1714, 0.0000



6.7114, 17.1714, 59.2614

# Complementary

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



35.0872, 17.1714, 43.0601



23.8480, 47.2091, 9.4484

# 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.



5.2272, 17.1714, 23.9236



35.0872, 17.1714, 43.0601



8.7518, 17.1714, 0.8620

# Square

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



35.0872, 17.1714, 43.0601



23.4394, 17.1714, 0.1964



5.8259, 17.1714, 5.8634



10.8128, 17.1714, 96.2323



# Rectangle

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



35.0872, 17.1714, 43.0601



34.6340, 17.1714, 5.1224



5.8259, 17.1714, 5.8634



5.9645, 17.1714, 46.0534

# Sweetspot

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



35.0878, 17.1723, 43.0604



73.3424, 59.7331, 91.9586



12.4746, 5.0587, 62.6067



15.1996, 11.8791, 19.2359



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.



35.0878, 17.1723, 43.0604



53.2367, 26.0587, 65.1038



28.3956, 14.4954, 7.8195



12.8609, 12.5958, 15.2075



21.6925, 10.6133, 26.7485



1.3324, 0.6497, 1.7397



# Inverse Universe

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



35.0878, 17.1723, 43.0604



53.2367, 26.0587, 65.1038



28.1180, 48.9171, 31.9339



12.8609, 12.5958, 15.2075



21.6925, 10.6133, 26.7485



1.3324, 0.6497, 1.7397



# Previews

## White Background



This preview shows how the XYZ color 35.0872, 17.1714, 43.0601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

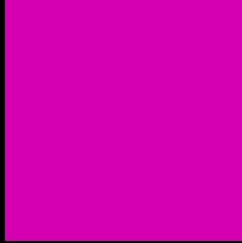
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0872, 17.1714, 43.0601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

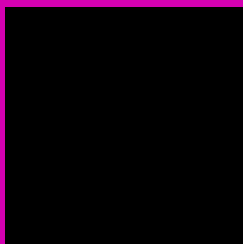
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 35.0872, 17.1714, 43.0601**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0872, 17.1714, 43.0601.



This preview shows how white text looks on a background with the XYZ color 35.0872, 17.1714,



# 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

35.0872, 17.1714, 43.0601

### Protanopia

21.6333, 18.1015, 84.7918

### Deuteranopia

18.2739, 17.8966, 38.5676



## Tritanopia

28.0548, 17.5712, 8.3915

# Trichromacy



## Original Color

35.0872, 17.1714, 43.0601



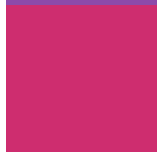
## Protanomaly

17.9023, 11.2223, 66.8682



## Deuteranomaly

20.5197, 13.3753, 39.5304



## Tritanomaly

29.2612, 16.1463, 16.6132

# Monochromacy



## Original Color

35.0872, 17.1714, 43.0601



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

13.9032, 8.6795, 18.0821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0872, 17.1714, 43.0601 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(212, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 177)  
}
```

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(212, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0872, 17.1714, 43.0601 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(212, 0, 177) }
```



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

```
.border{ border-color:rgb(212, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0872, 17.1714, 43.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 177) }
```

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

```
.background{ background-color: rgb(212, 0,  
177) }
```

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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