

# Converting Colors

XYZ(35.7061, 18.2903, 42.6690)

Have a look what the booklet for  
XYZ(35.7061, 18.2903, 42.6690)  
contains.

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# Color

**XYZ(35.8209, 18.3684,  
42.7318)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D521B0
RGB	213, 33, 176
RGB Percent	84%, 13%, 69%
CMY	0.1647, 0.8705, 0.3098
CMYK	0.00, 0.85, 0.17, 0.16
HSL	312°, 73%, 48%
HSV	312°, 85%, 84%
XYZ	35.8209, 18.3684, 42.7318
YIQ	103.1220, 61.3770, 82.6330

# Conversions

## Conversions Part 2

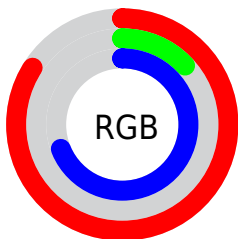
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 33, 176
Decimal	13967792
CIE Lab	49.94, 76.94, -32.74
CIE LCh	50, 83.615, 336.949
Yxy	18.3684, 0.3696, 0.1895
Android (android.graphics.Color)	4292157872 (0xFFD521B0)
YUV	103.1220, 35.9289, 96.3630
Hunter-Lab	42.8584, 74.1876, -29.1140

# Details

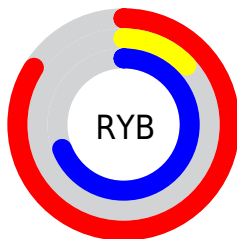
The XYZ color **35.8209, 18.3684, 42.7318** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **25.5280, 48.3548, 13.7847**, and the grayscale version is **12.8229, 13.4907, 14.6914**.

A 20% lighter version of the original color is **60.6557, 36.7867, 80.2476**, and **16.9016, 8.3001, 19.4502** is the 20% darker color. If you saturate the color by 10%, you get **34.9789, 17.3663, 40.3479**, and if you desaturate by 10%, it is **37.0515, 20.1247, 45.3144**.

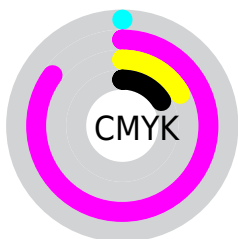
# Distribution



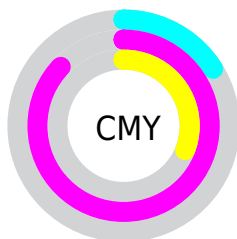
- Red (84%)
- Green (13%)
- Blue (69%)



- Red (84%)
- Yellow (13%)
- Blue (69%)



- Cyan (0%)
- Magenta (85%)
- Yellow (17%)
- Black (16%)




- Cyan (16%)
- Magenta (87%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8209, 18.3684, 42.7318 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 35.8209, 18.3684, 42.7318 by changing the saturation by 10% instead.





 35.8209, 18.3684,  
42.7318


 35.8209, 18.3684,  
42.7318

319.6220,  
242.9394, 373.3964

 24.4654, 11.2148,  
29.3449


 68.0812, 40.6641,  
80.5880


 15.8058, 6.2115,  
19.0941


 89.7167, 56.5749,  
105.8944


 9.4768, 2.9741,  
11.5608


 115.5096, 76.1737,  
136.0110

 5.1131, 1.1182,  
6.3265

 145.8252, 99.8447,  
171.3563

 2.3492, 0.0000,  
2.9726

 181.0289,  
127.9724, 212.3490

 0.8197, 0.0000,  
1.0807

221.4860,

 0.0000, 0.0000,

160.9411, 259.4076

0.0000

267.5619,  
199.1354, 312.9505

■ 35.8209, 18.3684,  
42.7318

■ 35.8209, 18.3684,  
42.7318

■ 34.9789, 17.3663,  
40.3479

■ 37.0515, 20.1247,  
45.3144

■ 34.6223, 17.0188,  
39.1015

■ 38.7301, 22.7547,  
48.1158

■ 40.9077, 26.3599,  
51.1537

■ 43.6277, 31.0269,  
54.4433

■ 46.9289, 36.8331,  
57.9981

■ 50.8462, 43.8484,  
61.8302

■ 55.4121, 52.1370,  
65.9512

■ 60.6564, 61.7589,  
70.3715

■ 66.6073, 72.7699,  
75.1011

# Harmonies

## Analogous

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



28.4550, 18.3684, 80.0551



35.8209, 18.3684, 42.7318



37.6550, 18.3684, 15.1222

# Triad

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



35.8209, 18.3684, 42.7318



15.6600, 18.3684, 0.2169



7.8129, 18.3684, 59.9805

# Complementary

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



35.8209, 18.3684, 42.7318



25.5280, 48.3548, 13.7847

# 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.



6.1953, 18.3684, 25.8281



35.8209, 18.3684, 42.7318



9.7380, 18.3684, 1.4011

# Square

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



35.8209, 18.3684, 42.7318



24.2134, 18.3684, 0.6407



6.7722, 18.3684, 7.2197



12.0938, 18.3684, 94.2827



# Rectangle

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



35.8209, 18.3684, 42.7318



35.1105, 18.3684, 5.9265



6.7722, 18.3684, 7.2197



7.0106, 18.3684, 47.4052

# Sweetspot

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



35.8215, 18.3693, 42.7321



75.9366, 65.0352, 92.4723



15.0096, 7.1583, 63.5418



15.7884, 13.0842, 19.3473



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.



35.8215, 18.3693, 42.7321



51.9694, 25.5517, 58.4301



29.7057, 15.9230, 10.5268



12.8386, 12.5869, 15.0901



21.1865, 10.4109, 24.0842



1.3061, 0.6392, 1.6013



# Inverse Universe

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



35.8215, 18.3693, 42.7321



51.9694, 25.5517, 58.4301



30.6805, 50.4158, 40.9172



12.8386, 12.5869, 15.0901



21.1865, 10.4109, 24.0842



1.3061, 0.6392, 1.6013



# Previews

## White Background



This preview shows how the XYZ color 35.8209, 18.3684, 42.7318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

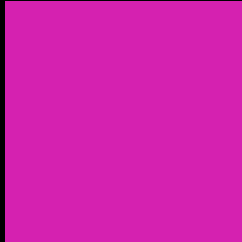
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8209, 18.3684, 42.7318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

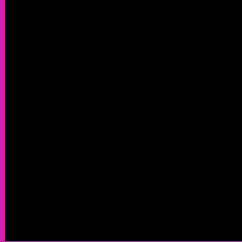
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.8209, 18.3684, 42.7318**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8209, 18.3684, 42.7318.



This preview shows how white text looks on a background with the XYZ color 35.8209, 18.3684,

42.7318.

# 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

35.8209, 18.3684, 42.7318

### Protanopia

22.6644, 18.9335, 86.4644

### Deuteranopia

19.1871, 18.7133, 38.6772



## Tritanopia

29.0369, 18.4412, 9.4262

# Trichromacy



## Original Color

35.8209, 18.3684, 42.7318



## Protanomaly

20.7273, 14.0458, 67.9483



## Deuteranomaly

22.1655, 15.6480, 39.8823



## Tritanomaly

30.6137, 17.7527, 17.7327

# Monochromacy



## Original Color

35.8209, 18.3684, 42.7318



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

18.0813, 12.9001, 22.6561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8209, 18.3684, 42.7318 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(213, 33, 176)` looks like.

```
.text, #text, p{  
    color:rgb(213, 33, 176)  
}
```

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(213, 33, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 33, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8209, 18.3684, 42.7318 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(213, 33, 176) }
```



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

```
.border{ border-color:rgb(213, 33, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 33, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 33, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 33, 176);  
box-shadow:4px 4px 4px 4px rgb(213, 33,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8209, 18.3684, 42.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 33, 176) }
```

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

```
.background{ background-color: rgb(213, 33,  
176) }
```

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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