

# Converting Colors

XYZ(35.6290, 18.4187, 38.6283)

Have a look what the booklet for  
XYZ(35.6290, 18.4187, 38.6283)  
contains.

<b>XYZ(35.6642, 18.4183, 38.7212)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.6642, 18.4183,  
38.7212)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D722A8
RGB	215, 34, 168
RGB Percent	84%, 13%, 66%
CMY	0.1569, 0.8666, 0.3412
CMYK	0.00, 0.84, 0.22, 0.16
HSL	316°, 73%, 49%
HSV	316°, 84%, 84%
XYZ	35.6642, 18.4183, 38.7212
YIQ	103.3950, 64.8620, 80.0460

# Conversions

## Conversions Part 2

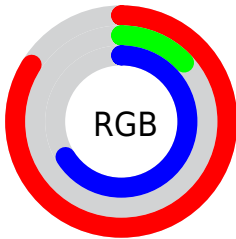
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 34, 168
Decimal	14099112
CIE Lab	50.00, 76.15, -27.90
CIE LCh	50, 81.106, 339.876
Yxy	18.4183, 0.3843, 0.1985
Android (android.graphics.Color)	4292289192 (0xFFD722A8)
YUV	103.3950, 31.8503, 97.8776
Hunter-Lab	42.9165, 73.2318, -23.4525

# Details

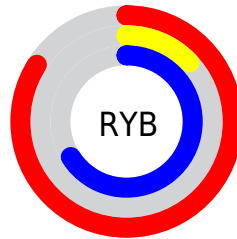
The XYZ color **35.6642, 18.4183, 38.7212** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **26.4465, 49.5357, 15.9552**, and the grayscale version is **12.9051, 13.5772, 14.7855**.

A 20% lighter version of the original color is **59.5096, 36.4883, 73.7185**, and **16.6700, 8.2295, 17.2328** is the 20% darker color. If you saturate the color by 10%, you get **34.7210, 17.3462, 35.8953**, and if you desaturate by 10%, it is **37.0147, 20.2686, 41.7933**.

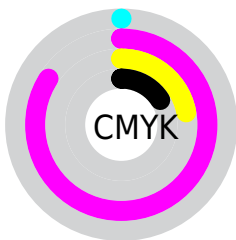
# Distribution



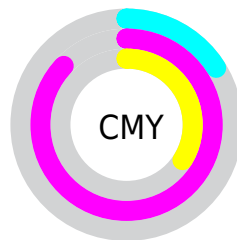
- Red (84%)
- Green (13%)
- Blue (66%)



- Red (84%)
- Yellow (13%)
- Blue (66%)



- Cyan (0%)
- Magenta (84%)
- Yellow (22%)
- Black (16%)




- Cyan (16%)
- Magenta (87%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6642, 18.4183, 38.7212 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 35.6642, 18.4183, 38.7212 by changing the saturation by 10% instead.





 35.6642, 18.4183,  
38.7212


 35.6642, 18.4183,  
38.7212


318.9473,  
243.2183, 356.0942


 24.3439, 11.2507,  
26.2367


 67.8407, 40.7488,  
74.4279


 15.7150, 6.2357,  
16.7735


 89.4276, 56.6805,  
98.4871


 9.4123, 2.9889,  
9.9129


 115.1674, 76.3024,  
127.2418

 5.0703, 1.1260,  
5.2364

 145.4255, 99.9989,  
161.1103

 2.3238, 0.0000,  
2.3255

 180.5671,  
128.1543, 200.5113

 0.8068, 0.0000,  
0.7454

220.9578,

 0.0000, 0.0000,

161.1531, 245.8632

0.0000

266.9627,  
199.3797, 297.5847

■ 35.6642, 18.4183,  
38.7212

■ 35.6642, 18.4183,  
38.7212

■ 34.7210, 17.3462,  
35.8953

■ 37.0147, 20.2686,  
41.7933

■ 34.2969, 16.9561,  
34.3420

■ 38.8330, 23.0186,  
45.1328

■ 41.1712, 26.7717,  
48.7584

■ 44.0736, 31.6163,  
52.6863

■ 47.5800, 37.6313,  
56.9310

■ 51.7261, 44.8880,  
61.5055

■ 56.5451, 53.4522,  
66.4223

■ 62.0677, 63.3849,  
71.6927

■ 68.3227, 74.7433,  
77.3276

# Harmonies

## Analogous

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



28.9672, 18.4183, 74.2453



35.6642, 18.4183, 38.7212



36.7882, 18.4183, 13.5619

# Triad

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



35.6642, 18.4183, 38.7212



15.0614, 18.4183, 0.4406



8.3461, 18.4183, 62.0238

# Complementary

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



35.6642, 18.4183, 38.7212



26.4465, 49.5357, 15.9552

# 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.



6.5103, 18.4183, 28.3452



35.6642, 18.4183, 38.7212



9.5542, 18.4183, 1.8644

# Square

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



35.6642, 18.4183, 38.7212



23.1793, 18.4183, 0.7028



6.8749, 18.4183, 8.6232



12.8434, 18.4183, 93.2748



# Rectangle

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



35.6642, 18.4183, 38.7212



33.9631, 18.4183, 5.3803



6.8749, 18.4183, 8.6232



7.4681, 18.4183, 49.8961

# Sweetspot

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



35.6648, 18.4193, 38.7215



75.4234, 64.8300, 89.7701



16.0846, 7.7248, 64.9334



15.6646, 13.0347, 18.6952



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.



35.6648, 18.4193, 38.7215



50.4013, 24.9245, 50.1729



30.0177, 16.1604, 8.9845



12.8089, 12.5751, 14.9339



20.5590, 10.1599, 20.7796



1.2730, 0.6260, 1.4268



# Inverse Universe

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



35.6648, 18.4193, 38.7215



50.4013, 24.9245, 50.1729



32.1932, 51.8343, 46.2167



12.8089, 12.5751, 14.9339



20.5590, 10.1599, 20.7796



1.2730, 0.6260, 1.4268



# Previews

## White Background



This preview shows how the XYZ color 35.6642, 18.4183, 38.7212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

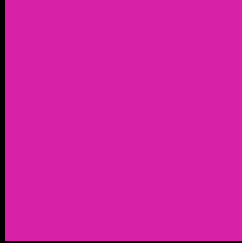
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 35.6642, 18.4183, 38.7212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

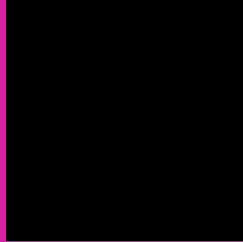
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.6642, 18.4183, 38.7212**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6642, 18.4183, 38.7212.



This preview shows how white text looks on a background with the XYZ color 35.6642, 18.4183,



# 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

35.6642, 18.4183, 38.7212

### Protanopia

22.1374, 19.0172, 78.1052

### Deuteranopia

19.2055, 18.8050, 34.9652



## Tritanopia

29.3540, 18.4219, 8.8461

# Trichromacy



## Original Color

35.6642, 18.4183, 38.7212



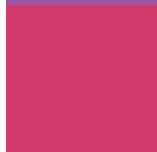
## Protanomaly

21.3950, 14.6544, 61.3754



## Deuteranomaly

22.3242, 15.8146, 36.0583



## Tritanomaly

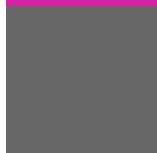
30.8517, 17.8319, 16.2838

# Monochromacy



## Original Color

35.6642, 18.4183, 38.7212



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

18.0568, 12.9104, 21.6189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6642, 18.4183, 38.7212 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(215, 34, 168)` looks like.

```
.text, #text, p{  
    color:rgb(215, 34, 168)  
}
```

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(215, 34, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 34, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6642, 18.4183, 38.7212 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(215, 34, 168) }
```



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

```
.border{ border-color:rgb(215, 34, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 34, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 34, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 34, 168);  
box-shadow:4px 4px 4px 4px rgb(215, 34,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6642, 18.4183, 38.7212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 34, 168) }
```

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

```
.background{ background-color: rgb(215, 34,  
168) }
```

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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