

# Converting Colors

XYZ(35.0311, 18.8739, 38.8436)

Have a look what the booklet for  
XYZ(35.0311, 18.8739, 38.8436)  
contains.

<b>XYZ(35.0302, 18.8727, 38.8423)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(35.0302, 18.8727,  
38.8423)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D331A8
RGB	211, 49, 168
RGB Percent	83%, 19%, 66%
CMY	0.1725, 0.8078, 0.3412
CMYK	0.00, 0.77, 0.20, 0.17
HSL	316°, 65%, 51%
HSV	316°, 77%, 83%
XYZ	35.0302, 18.8727, 38.8423
YIQ	111.0040, 58.3530, 71.3530

# Conversions

## Conversions Part 2

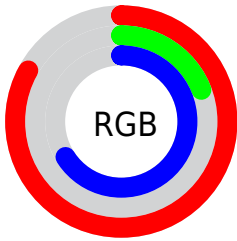
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 49, 168
Decimal	13840808
CIE Lab	50.54, 71.68, -27.12
CIE LCh	51, 76.644, 339.274
Yxy	18.8727, 0.3777, 0.2035
Android (android.graphics.Color)	4292030888 (0xFFD331A8)
YUV	111.0040, 28.0990, 87.6965
Hunter-Lab	43.4427, 67.9094, -22.6015

# Details

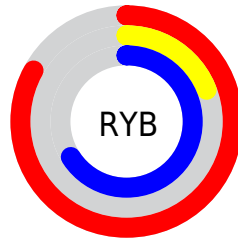
The XYZ color **35.0302, 18.8727, 38.8423** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **26.4938, 48.0150, 17.9992**, and the grayscale version is **15.0214, 15.8037, 17.2102**.

A 20% lighter version of the original color is **60.3535, 38.1761, 73.9998**, and **16.1013, 7.9364, 17.2062** is the 20% darker color. If you saturate the color by 10%, you get **33.8344, 17.2981, 35.9245**, and if you desaturate by 10%, it is **36.6624, 21.2836, 42.0168**.

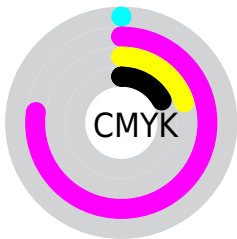
# Distribution



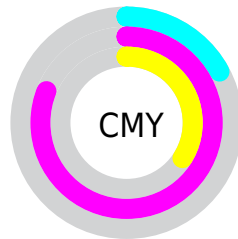
- Red (83%)
- Green (19%)
- Blue (66%)



- Red (83%)
- Yellow (19%)
- Blue (66%)



- Cyan (0%)
- Magenta (77%)
- Yellow (20%)
- Black (17%)




- Cyan (17%)
- Magenta (81%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0302, 18.8727, 38.8423 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 35.0302, 18.8727, 38.8423 by changing the saturation by 10% instead.




 35.0302, 18.8727,  
38.8423


 35.0302, 18.8727,  
38.8423


316.2073,  
245.7451, 356.6255

 23.8528, 11.5783,  
26.3302

 66.8663, 41.5189,  
74.6150

 15.3486, 6.4572,  
16.8428


 88.2556, 57.6395,  
98.7127


 9.1523, 3.1251,  
9.9617

 113.7796, 77.4710,  
127.5094

 4.8986, 1.1974,  
5.2683

 143.8037,  
101.3977, 161.4235

 2.2220, 0.0596,  
2.3441

 178.6931,  
129.8041, 200.8736

 0.7543, 0.0000,  
0.7557

218.8133,

 0.0000, 0.0000,

163.0745, 246.2783

0.0000

264.5296,  
201.5934, 298.0561

■ 35.0302, 18.8727,  
38.8423

■ 35.0302, 18.8727,  
38.8423

■ 33.8344, 17.2981,  
35.9245

■ 36.6624, 21.2836,  
42.0168

■ 33.0067, 16.4243,  
33.2387

■ 38.7805, 24.6301,  
45.4654

■ 32.7797, 16.2152,  
32.4083

■ 41.4289, 29.0005,  
49.2043

■ 44.6466, 34.4722,  
53.2480

■ 48.4687, 41.1150,  
57.6092

■ 52.9275, 48.9930,  
62.3001

■ 58.0528, 58.1656,  
67.3319

■ 63.8726, 68.6883,  
72.7151

■ 70.4132, 80.6135,  
78.4598

# Harmonies

## Analogous

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



28.6685, 18.8727, 71.7644



35.0302, 18.8727, 38.8423



36.2034, 18.8727, 14.6005

# Triad

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



35.0302, 18.8727, 38.8423



15.7186, 18.8727, 0.8035



8.9495, 18.8727, 59.2026

# Complementary

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



35.0302, 18.8727, 38.8423



26.4938, 48.0150, 17.9992

# 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.



7.1591, 18.8727, 27.9272



35.0302, 18.8727, 38.8423



10.2875, 18.8727, 2.3128

# Square

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



35.0302, 18.8727, 38.8423



23.5237, 18.8727, 1.0849



7.5693, 18.8727, 9.1482



13.3147, 18.8727, 88.1534



# Rectangle

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



35.0302, 18.8727, 38.8423



33.6337, 18.8727, 6.2724



7.5693, 18.8727, 9.1482



8.0905, 18.8727, 47.9849

# Sweetspot

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



35.0308, 18.8737, 38.8426



76.7028, 67.1555, 90.9155



17.0255, 9.0498, 62.4779



15.9083, 13.4788, 18.9100



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.



35.0308, 18.8737, 38.8426



51.0923, 25.6126, 52.5425



29.7875, 16.7763, 11.2317



12.1712, 11.9532, 14.1776



19.8268, 9.8036, 19.7919



1.1405, 0.5609, 1.2744



# Inverse Universe

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



35.0308, 18.8737, 38.8426



51.0923, 25.6126, 52.5425



31.8650, 50.1634, 46.2833



12.1712, 11.9532, 14.1776



19.8268, 9.8036, 19.7919



1.1405, 0.5609, 1.2744



# Previews

## White Background



This preview shows how the XYZ color 35.0302, 18.8727, 38.8423 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

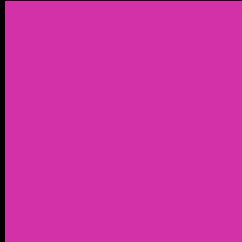
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0302, 18.8727, 38.8423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

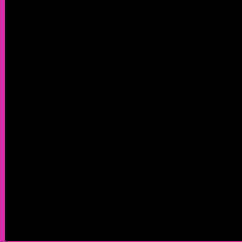
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.0302, 18.8727, 38.8423**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0302, 18.8727, 38.8423.



This preview shows how white text looks on a background with the XYZ color 35.0302, 18.8727,



# 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

35.0302, 18.8727, 38.8423

### Protanopia

22.1125, 19.4779, 72.4062

### Deuteranopia

19.5369, 19.1416, 35.4659



## Tritanopia

29.1876, 18.9107, 10.2954

# Trichromacy



## Original Color

35.0302, 18.8727, 38.8423



## Protanomaly

22.3016, 16.0624, 58.4249



## Deuteranomaly

22.7370, 16.9099, 36.2480



## Tritanomaly

30.7765, 18.4946, 17.8673

# Monochromacy



## Original Color

35.0302, 18.8727, 38.8423



## Achromatopsia

15.1092, 15.8961, 17.3108



## Achromatomaly

19.6872, 14.8484, 23.6582

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0302, 18.8727, 38.8423 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(211, 49, 168)` looks like.

```
.text, #text, p{  
    color:rgb(211, 49, 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(211, 49, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 49, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0302, 18.8727, 38.8423 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(211, 49, 168) }
```



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

```
.border{ border-color:rgb(211, 49, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 49, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 49, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 49, 168);  
box-shadow:4px 4px 4px 4px rgb(211, 49,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0302, 18.8727, 38.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 49, 168) }
```

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

```
.background{ background-color: rgb(211, 49,  
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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