

Converting Colors

XYZ(35.7393, 18.0886, 44.6742)

Have a look what the booklet for
XYZ(35.7393, 18.0886, 44.6742)
contains.

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Color

**XYZ(35.8049, 18.1228,
44.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	D41CB4
RGB	212, 28, 180
RGB Percent	83%, 11%, 71%
CMY	0.1686, 0.8901, 0.2941
CMYK	0.00, 0.87, 0.15, 0.17
HSL	310°, 77%, 47%
HSV	310°, 87%, 83%
XYZ	35.8049, 18.1228, 44.7909
YIQ	100.3440, 60.8720, 86.2800

Conversions

Conversions Part 2

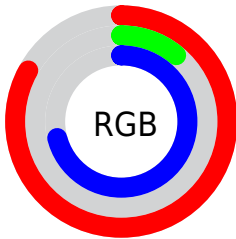
Format	Color
RYB	212, 28, 180
Decimal	13900980
CIELab	49.64, 78.16, -35.56
CIELCh	50, 85.868, 335.533
Yxy	18.1228, 0.3627, 0.1836
Android (android.graphics.Color)	4292091060 (0xFFD41CB4)
YUV	100.3440, 39.2704, 97.9223
Hunter-Lab	42.5709, 75.6311, -32.5823

Details

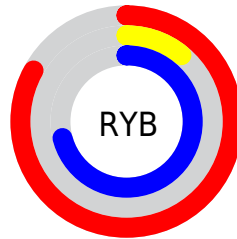
The XYZ color **35.8049, 18.1228, 44.7909** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **24.8391, 47.6610, 12.1675**, and the grayscale version is **12.0949, 12.7247, 13.8573**.

A 20% lighter version of the original color is **61.0340, 36.6235, 83.2091**, and **16.9676, 8.3046, 20.7873** is the 20% darker color. If you saturate the color by 10%, you get **35.0931, 17.2921, 42.7249**, and if you desaturate by 10%, it is **36.8780, 19.6595, 47.0269**.

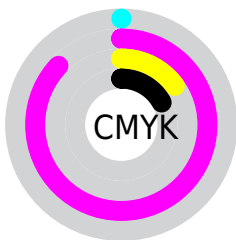
Distribution



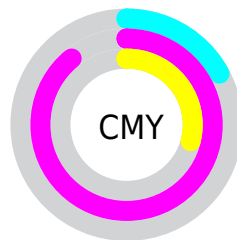
- Red (83%)
- Green (11%)
- Blue (71%)



- Red (83%)
- Yellow (11%)
- Blue (71%)



- Cyan (0%)
- Magenta (87%)
- Yellow (15%)
- Black (17%)





- Cyan (17%)
- Magenta (89%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8049, 18.1228, 44.7909 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 35.8049, 18.1228, 44.7909 by changing the saturation by 10% instead.

 35.8049, 18.1228,
44.7909


 35.8049, 18.1228,
44.7909


319.5531,
241.5623, 382.0614

 24.4530, 11.0382,
30.9510


 68.0567, 40.2465,
83.7217

 15.7965, 6.0925,
20.3034


 89.6872, 56.0543,
109.6496


 9.4702, 2.9014,
12.4295


 115.4747, 75.5387,
140.4440

 5.1087, 1.0805,
6.9108

 145.7844, 99.0840,
176.5234

 2.3466, 0.0000,
3.3288

 180.9818,
127.0746, 218.3063

 0.8183, 0.0000,
1.2649

 221.4321,

 0.0000, 0.0000,

159.8949, 266.2112

0.0327

267.5008,
197.9294, 320.6568

■ 0.0000, 0.0000,
0.0000

■ 35.8049, 18.1228,
44.7909

■ 35.8049, 18.1228,
44.7909

■ 35.0931, 17.2921,
42.7249

■ 36.8780, 19.6595,
47.0269

■ 34.9021, 17.0974,
42.0838

■ 38.3777, 22.0336,
49.4546

■ 40.3564, 25.3493,
52.0921

■ 42.8583, 29.6951,
54.9543

■ 45.9224, 35.1491,
58.0548

■ 49.5843, 41.7818,
61.4057

■ 53.8763, 49.6582,
65.0180

■ 58.8285, 58.8381,
68.9023

■ 64.4691, 69.3777,
73.0682

Harmonies

Analogous

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



28.0412, 18.1228, 83.4907



35.8049, 18.1228, 44.7909



38.0238, 18.1228, 15.7111

Triad

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



35.8049, 18.1228, 44.7909



15.7569, 18.1228, 0.0088



7.3556, 18.1228, 59.0354

Complementary

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



35.8049, 18.1228, 44.7909



24.8391, 47.6610, 12.1675

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.



5.8562, 18.1228, 24.3878



35.8049, 18.1228, 44.7909



9.6241, 18.1228, 1.1051

Square

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



35.8049, 18.1228, 44.7909



24.5707, 18.1228, 0.5199



6.5310, 18.1228, 6.3641



11.5123, 18.1228, 95.3396

Rectangle

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



35.8049, 18.1228, 44.7909



35.6043, 18.1228, 6.0144



6.5310, 18.1228, 6.3641



6.5958, 18.1228, 46.1123

Sweetspot

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



35.8055, 18.1237, 44.7912



75.6216, 64.0257, 93.5379



14.0841, 6.5048, 62.8013



15.7430, 12.8972, 19.6286



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.



35.8055, 18.1237, 44.7912



52.9537, 25.9455, 63.6138



29.3849, 15.5555, 10.9808



12.8560, 12.5939, 15.1819



21.5796, 10.5682, 26.1541



1.3265, 0.6474, 1.7089

Inverse Universe

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



35.8055, 18.1237, 44.7912



52.9537, 25.9455, 63.6138



29.5824, 49.5583, 37.1454



12.8560, 12.5939, 15.1819



21.5796, 10.5682, 26.1541



1.3265, 0.6474, 1.7089

Previews

White Background



This preview shows how the XYZ color 35.8049, 18.1228, 44.7909 looks on a white background.

Color Contrast Check

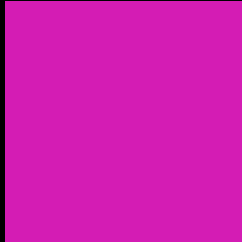
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8049, 18.1228, 44.7909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

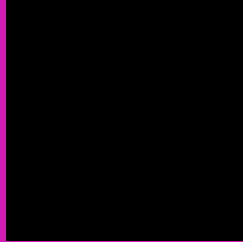
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8049, 18.1228, 44.7909

Background



This preview shows how black text looks on a background with the XYZ color 35.8049, 18.1228, 44.7909.



This preview shows how white text looks on a background with the XYZ color 35.8049, 18.1228,

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

35.8049, 18.1228, 44.7909

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.8954, 18.5308, 40.1170



Tritanopia

28.4887, 18.1586, 9.4006

Trichromacy



Original Color

35.8049, 18.1228, 44.7909



Protanomaly

19.2050, 12.9848, 69.9007



Deuteranomaly

21.7758, 15.1768, 41.3169



Tritanomaly

30.0691, 17.3090, 18.2792

Monochromacy



Original Color

35.8049, 18.1228, 44.7909



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

17.3957, 12.1453, 22.1963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8049, 18.1228, 44.7909 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, 28, 180)` looks like.

```
.text, #text, p{  
    color:rgb(212, 28, 180)  
}
```

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, 28, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 28, 180) }
```

Border

The CSS property to change the border of an element to XYZ 35.8049, 18.1228, 44.7909 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, 28, 180) }
```


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

```
.border{ border-color:rgb(212, 28, 180) }
```

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

Here you see how a box with a 4 pixel rgb(212, 28, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 28, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 28, 180);  
box-shadow:4px 4px 4px 4px rgb(212, 28,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8049, 18.1228, 44.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 28, 180) }
```

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

```
.background{ background-color: rgb(212, 28,  
180) }
```

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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