

Converting Colors

XYZ(38.8876, 18.6799, 63.5990)

Have a look what the booklet for
XYZ(38.8876, 18.6799, 63.5990)
contains.

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Color

**XYZ(39.0350, 18.7505,
63.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	D400D4
RGB	212, 0, 212
RGB Percent	83%, 0%, 83%
CMY	0.1686, 0.9999, 0.1686
CMYK	0.00, 1.00, 0.00, 0.17
HSL	300°, 100%, 42%
HSV	300°, 100%, 83%
XYZ	39.0350, 18.7505, 63.8492
YIQ	87.5560, 58.3000, 110.8760

Conversions

Conversions Part 2

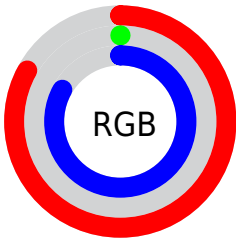
Format	Color
R_{YB}	212, 0, 212
Decimal	13893844
CIE _{Lab}	50.39, 85.48, -52.93
CIE _{LCh}	50, 100.537, 328.232
Yxy	18.7505, 0.3209, 0.1542
Android (android.graphics.Color)	4292083924 (0xFFD400D4)
YUV	87.5560, 61.3509, 109.1374
Hunter-Lab	43.3018, 85.1329, -57.1127

Details

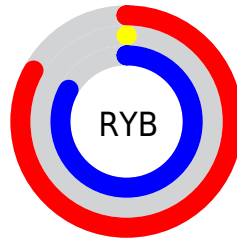
The XYZ color **39.0350, 18.7505, 63.8492** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.5443, 47.0878, 7.8488**, and the grayscale version is **9.0457, 9.5168, 10.3638**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **18.9496, 9.0757, 32.2055** is the 20% darker color. If you saturate the color by 10%, you get **39.0354, 18.7507, 63.8495**, and if you desaturate by 10%, it is **39.3079, 19.2956, 63.9403**.

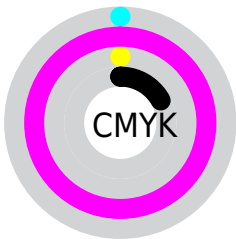
Distribution



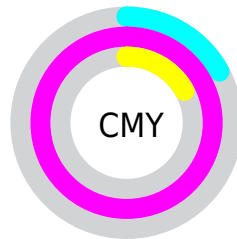
- Red (83%)
- Green (0%)
- Blue (83%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0350, 18.7505, 63.8492 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 39.0350, 18.7505, 63.8492 by changing the saturation by 10% instead.


 39.0350, 18.7505,
63.8492

 39.0350, 18.7505,
63.8492


333.2439,
245.0679, 456.8374


 26.9678, 11.4901,
46.0831


 72.9855, 41.3121,
111.9911


 17.6855, 6.3975,
31.9623


 95.5995, 57.3821,
143.2040


 10.8228, 3.0883,
21.0681


 122.4599, 77.1574,
179.7363

 6.0142, 1.1780,
12.9821

 153.9319,
101.0225, 222.0066

 2.8945, 0.0436,
7.2856

 190.3810,
129.3617, 270.4332

 1.0982, 0.0000,
3.5602

 232.1724,

 0.0236, 0.0000,

162.5594, 325.4349

1.3873

279.6716,
201.0000, 387.4301

■ 0.0000, 0.0000,
0.1318

■ 0.0000, 0.0000,
0.0000

■ 39.0350, 18.7505,
63.8492

■ 39.0350, 18.7505,
63.8492

■ 39.0354, 18.7507,
63.8495

■ 39.3079, 19.2956,
63.9403

■ 39.8788, 20.4374,
64.1307

■ 40.8481, 22.3760,
64.4538

■ 42.2707, 25.2211,
64.9281

■ 44.1927, 29.0652,
65.5688

■ 46.6548, 33.9892,
66.3895

■ 49.6932, 40.0661,
67.4024

■ 53.3412, 47.3621,
68.6185

■ 57.6296, 55.9388,
70.0480

Harmonies

Analogous

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



28.2653, 18.7505, 113.9390



39.0350, 18.7505, 63.8492



43.9592, 18.7505, 22.1206

Triad

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



39.0350, 18.7505, 63.8492



18.4074, 18.7505, 0.0000



5.8670, 18.7505, 57.8986

Complementary

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



39.0350, 18.7505, 63.8492



23.5443, 47.0878, 7.8488

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.



4.8687, 18.7505, 18.8015



39.0350, 18.7505, 63.8492



10.3314, 18.7505, 0.0000

Square

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



39.0350, 18.7505, 63.8492



29.6520, 18.7505, 0.0986



6.1476, 18.7505, 3.1724



9.6494, 18.7505, 108.7981

Rectangle

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



39.0350, 18.7505, 63.8492



42.2760, 18.7505, 7.7870



6.1476, 18.7505, 3.1724



5.2726, 18.7505, 42.2945

Sweetspot

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



39.0358, 18.7514, 63.8496



75.3100, 60.5201, 102.3198



11.8845, 4.7544, 62.5795



15.6777, 12.0703, 21.7534



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.



39.0358, 18.7514, 63.8496



59.2898, 28.4799, 96.9791



29.7544, 15.0388, 14.9745



12.9531, 12.6327, 15.6932



24.0983, 11.5756, 39.4170



1.4535, 0.6982, 2.3774

Inverse Universe

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



39.0358, 18.7514, 63.8496



59.2898, 28.4799, 96.9791



26.1465, 48.1287, 21.5517



12.9531, 12.6327, 15.6932



24.0983, 11.5756, 39.4170



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 39.0350, 18.7505, 63.8492 looks on a white background.

Color Contrast Check

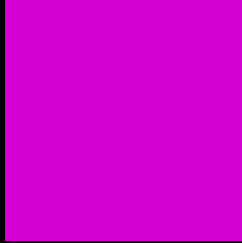
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.0350, 18.7505, 63.8492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

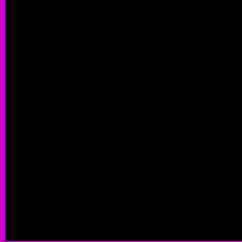
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.0350, 18.7505, 63.8492

Background



This preview shows how black text looks on a background with the XYZ color 39.0350, 18.7505, 63.8492.



This preview shows how white text looks on a background with the XYZ color 39.0350, 18.7505,

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

39.0350, 18.7505, 63.8492

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

20.0160, 19.4591, 56.7338



Tritanopia

28.4496, 19.0499, 11.6287

Trichromacy



Original Color

39.0350, 18.7505, 63.8492



Protanomaly

20.5047, 12.4735, 79.9242



Deuteranomaly

21.9357, 14.0935, 58.6909



Tritanomaly

30.4780, 17.1048, 24.2494

Monochromacy



Original Color

39.0350, 18.7505, 63.8492



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3207, 9.5083, 23.2181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0350, 18.7505, 63.8492 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, 212)` looks like.

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

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, 212) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 39.0350, 18.7505, 63.8492 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, 212) }
```


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

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

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, 212)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 39.0350, 18.7505, 63.8492 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, 212) }
```

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

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

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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