

Converting Colors

XYZ(39.1932, 18.9205, 59.8606)

Have a look what the booklet for
XYZ(39.1932, 18.9205, 59.8606)
contains.

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Color

**XYZ(39.1649, 18.9033,
59.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	D700CE
RGB	215, 0, 206
RGB Percent	84%, 0%, 81%
CMY	0.1569, 0.9999, 0.1922
CMYK	0.00, 1.00, 0.04, 0.16
HSL	303°, 100%, 42%
HSV	303°, 100%, 84%
XYZ	39.1649, 18.9033, 59.9770
YIQ	87.7690, 62.0140, 109.6460

Conversions

Conversions Part 2

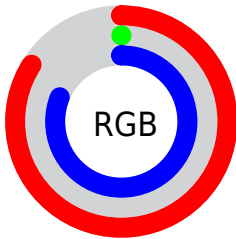
Format	Color
R_{YB}	215, 0, 206
Decimal	14090446
CIE _{Lab}	50.57, 85.11, -49.16
CIE _{LCh}	51, 98.292, 329.987
Yxy	18.9033, 0.3318, 0.1601
Android (android.graphics.Color)	4292280526 (0xFFD700CE)
YUV	87.7690, 58.2879, 111.5816
Hunter-Lab	43.4779, 84.7064, -51.3549

Details

The XYZ color **39.1649, 18.9033, 59.9770** 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 **24.3506, 48.6215, 8.3609**, and the grayscale version is **9.0977, 9.5714, 10.4233**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.1035, 9.2029, 30.0476** is the 20% darker color. If you saturate the color by 10%, you get **39.1651, 18.9034, 59.9764**, and if you desaturate by 10%, it is **39.5531, 19.5035, 60.6476**.

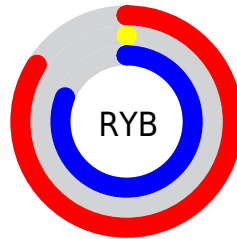
Distribution



Red (84%)

Green (0%)

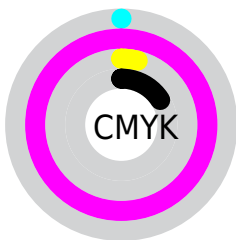
Blue (81%)



Red (84%)

Yellow (0%)

Blue (81%)

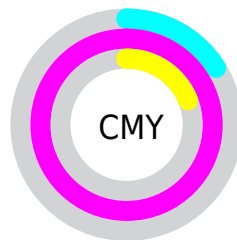


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1649, 18.9033, 59.9770 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 39.1649, 18.9033, 59.9770 by changing the saturation by 10% instead.


 39.1649, 18.9033,
59.9770


 39.1649, 18.9033,
59.9770

333.7862,
245.9144, 442.3153

 27.0693, 11.6004,
42.9749


 73.1826, 41.5706,
106.3393


 17.7622, 6.4722,
29.5342


 95.8355, 57.7039,
136.5367

 10.8780, 3.1343,
19.2362


 122.7382, 77.5494,
171.9695

 6.0516, 1.2022,
11.6626

 154.2560,
101.4915, 213.0564

 2.9174, 0.0635,
6.3946

 190.7544,
129.9147, 260.2159

 1.1102, 0.0000,
3.0138

 232.5986,

 0.0337, 0.0000,

163.2033, 313.8665

1.1017

280.1541,
201.7417, 374.4268

■ 0.0000, 0.0000,
0.0000

■ 39.1649, 18.9033,
59.9770

■ 39.1649, 18.9033,
59.9770

■ 39.1651, 18.9034,
59.9764

■ 39.5531, 19.5035,
60.6476

■ 40.2504, 20.7216,
61.4243

■ 41.3599, 22.7631,
62.3415

■ 42.9383, 25.7414,
63.4181

■ 45.0336, 29.7523,
64.6701

■ 47.6876, 34.8798,
66.1114

■ 50.9381, 41.1992,
67.7547

■ 54.8195, 48.7794,
69.6114

■ 59.3635, 57.6838,
71.6922

Harmonies

Analogous

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



28.8648, 18.9033, 108.7470



39.1649, 18.9033, 59.9770



43.4760, 18.9033, 20.5944

Triad

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



39.1649, 18.9033, 59.9770



17.9712, 18.9033, 0.0000



6.2508, 18.9033, 59.9350

Complementary

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



39.1649, 18.9033, 59.9770



24.3506, 48.6215, 8.3609

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.



5.1062, 18.9033, 20.5706



39.1649, 18.9033, 59.9770



10.2288, 18.9033, 0.1442

Square

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



39.1649, 18.9033, 59.9770



28.8746, 18.9033, 0.1457



6.2528, 18.9033, 3.8453



10.2239, 18.9033, 108.7110

Rectangle

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



39.1649, 18.9033, 59.9770



41.5024, 18.9033, 7.2829



6.2528, 18.9033, 3.8453



5.6022, 18.9033, 44.4623

Sweetspot

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



39.1657, 18.9042, 59.9774



74.7986, 60.3155, 99.6266



12.3563, 4.9535, 64.5956



15.5530, 12.0204, 21.0967



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.



39.1657, 18.9042, 59.9774



57.6182, 27.8113, 88.1767



30.3423, 15.3749, 13.5143



12.9295, 12.6233, 15.5691



23.4354, 11.3105, 35.9264



1.4206, 0.6850, 2.2045

Inverse Universe

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



39.1657, 18.9042, 59.9774



57.6182, 27.8113, 88.1767



27.3774, 49.8322, 24.2996



12.9295, 12.6233, 15.5691



23.4354, 11.3105, 35.9264



1.4206, 0.6850, 2.2045

Previews

White Background



This preview shows how the XYZ color 39.1649, 18.9033, 59.9770 looks on a white background.

Color Contrast Check

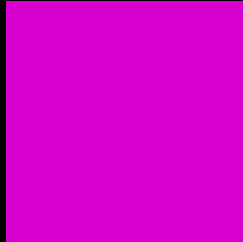
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.1649, 18.9033, 59.9770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

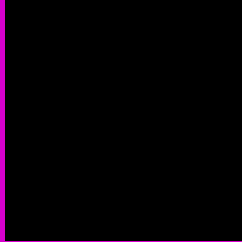
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.1649, 18.9033, 59.9770

Background



This preview shows how black text looks on a background with the XYZ color 39.1649, 18.9033, 59.9770.



This preview shows how white text looks on a background with the XYZ color 39.1649, 18.9033,

59.9770.

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

39.1649, 18.9033, 59.9770

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

20.1768, 19.6079, 53.7602



Tritanopia

29.2507, 19.2533, 10.9787

Trichromacy



Original Color

39.1649, 18.9033, 59.9770



Protanomaly

20.3659, 12.5350, 78.4369



Deuteranomaly

22.1234, 14.2718, 55.0148



Tritanomaly

30.9894, 17.3331, 22.8314

Monochromacy



Original Color

39.1649, 18.9033, 59.9770



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3424, 9.5354, 22.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1649, 18.9033, 59.9770 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, 0, 206)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 206)  
}
```

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, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 206) }
```

Border

The CSS property to change the border of an element to XYZ 39.1649, 18.9033, 59.9770 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, 0, 206) }
```


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

```
.border{ border-color:rgb(215, 0, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 0, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1649, 18.9033, 59.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 206) }
```

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

```
.background{ background-color: rgb(215, 0,  
206) }
```

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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