

Converting Colors

XYZ(39.4401, 19.0731, 58.7293)

Have a look what the booklet for
XYZ(39.4401, 19.0731, 58.7293)
contains.

XYZ(39.5144, 19.1113, 58.7330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5144, 19.1113,
58.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	D900CC
RGB	217, 0, 204
RGB Percent	85%, 0%, 80%
CMY	0.1490, 0.9999, 0.2000
CMYK	0.00, 1.00, 0.06, 0.15
HSL	304°, 100%, 43%
HSV	304°, 100%, 85%
XYZ	39.5144, 19.1113, 58.7330
YIQ	88.1390, 63.8480, 109.4480

Conversions

Conversions Part 2

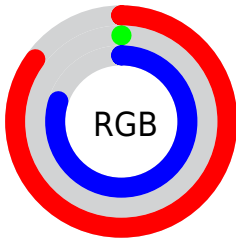
Format	Color
R_{YB}	217, 0, 204
Decimal	14221516
CIE _{Lab}	50.82, 85.17, -47.60
CIE _{LCh}	51, 97.568, 330.797
Yxy	19.1113, 0.3367, 0.1628
Android (android.graphics.Color)	4292411596 (0xFFD900CC)
YUV	88.1390, 57.1195, 113.0111
Hunter-Lab	43.7165, 84.8386, -49.0545

Details

The XYZ color **39.5144, 19.1113, 58.7330** 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 **24.8864, 49.6558, 8.6547**, and the grayscale version is **9.1795, 9.6575, 10.5171**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.3294, 9.3380, 29.2174** is the 20% darker color. If you saturate the color by 10%, you get **39.5146, 19.1115, 58.7321**, and if you desaturate by 10%, it is **39.9533, 19.7378, 59.6521**.

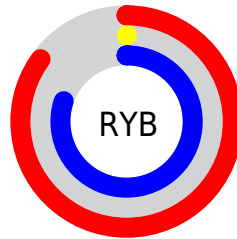
Distribution



Red (85%)

Green (0%)

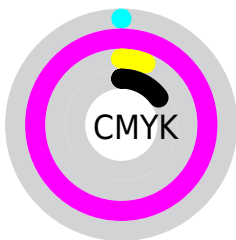
Blue (80%)



Red (85%)

Yellow (0%)

Blue (80%)

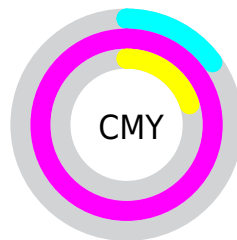


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (15%)



Cyan (15%)


Magenta (100%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5144, 19.1113, 58.7330 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 39.5144, 19.1113, 58.7330 by changing the saturation by 10% instead.


 39.5144, 19.1113,
58.7330


 39.5144, 19.1113,
58.7330


335.2422,
247.0625, 437.5860

 27.3427, 11.7507,
41.9796


 73.7125, 41.9221,
104.5148


 17.9687, 6.5742,
28.7599


 96.4697, 58.1411,
134.3803


 11.0270, 3.1973,
18.6552


 123.4859, 78.0817,
169.4536

 6.1524, 1.2356,
11.2471

 155.1267,
102.1283, 210.1533

 2.9795, 0.0905,
6.1171

 191.7574,
130.6653, 256.8978

 1.1430, 0.0000,
2.8465

 233.7433,

 0.0606, 0.0000,

164.0770, 310.1057

1.0168

281.4498,
202.7480, 370.1956

■ 0.0000, 0.0000,
0.0000

■ 39.5144, 19.1113,
58.7330

■ 39.5144, 19.1113,
58.7330

■ 39.5146, 19.1115,
58.7321

■ 39.9533, 19.7378,
59.6521

■ 40.7090, 20.9966,
60.6832

■ 41.8865, 23.0967,
61.8613

■ 43.5437, 26.1543,
63.2058

■ 45.7298, 30.2674,
64.7330

■ 48.4877, 35.5220,
66.4574

■ 51.8559, 41.9951,
68.3917

■ 55.8696, 49.7571,
70.5477

■ 60.5613, 58.8730,
72.9363

Harmonies

Analogous

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



29.3510, 19.1113, 107.2770



39.5144, 19.1113, 58.7330



43.5830, 19.1113, 20.0822

Triad

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



39.5144, 19.1113, 58.7330



17.9091, 19.1113, 0.0000



6.4739, 19.1113, 61.3138

Complementary

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



39.5144, 19.1113, 58.7330



24.8864, 49.6558, 8.6547

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.



5.2523, 19.1113, 21.5531



39.5144, 19.1113, 58.7330



10.2573, 19.1113, 0.2661

Square

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



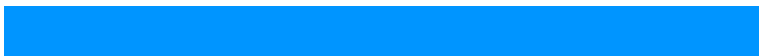
39.5144, 19.1113, 58.7330



28.7428, 19.1113, 0.1712



6.3457, 19.1113, 4.2041



10.5642, 19.1113, 109.4867

Rectangle

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



39.5144, 19.1113, 58.7330



41.4657, 19.1113, 7.1158



6.3457, 19.1113, 4.2041



5.7951, 19.1113, 45.7922

Sweetspot

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



39.5152, 19.1122, 58.7334



74.5807, 60.2284, 98.4794



12.6613, 5.0808, 65.9600



15.5000, 11.9992, 20.8174



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.



39.5152, 19.1122, 58.7334



56.9267, 27.5347, 84.5348



30.8049, 15.6281, 12.8659



13.5789, 13.2607, 16.3099



23.9339, 11.5746, 35.6276



1.5610, 0.7540, 2.3632

Inverse Universe

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



39.5152, 19.1122, 58.7334



56.9267, 27.5347, 84.5348



28.1653, 50.9673, 25.9208



13.5789, 13.2607, 16.3099



23.9339, 11.5746, 35.6276



1.5610, 0.7540, 2.3632

Previews

White Background



This preview shows how the XYZ color 39.5144, 19.1113, 58.7330 looks on a white background.

Color Contrast Check

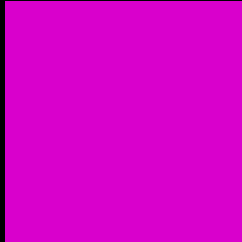
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5144, 19.1113, 58.7330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

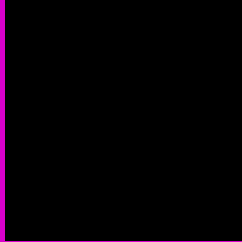
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.5144, 19.1113, 58.7330

Background



This preview shows how black text looks on a background with the XYZ color 39.5144, 19.1113, 58.7330.



This preview shows how white text looks on a background with the XYZ color 39.5144, 19.1113,

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

39.5144, 19.1113, 58.7330

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.4351, 19.9501, 52.6429



Tritanopia

29.6852, 19.3723, 10.7690

Trichromacy



Original Color

39.5144, 19.1113, 58.7330



Protanomaly

20.5918, 12.6349, 79.1954



Deuteranomaly

22.5197, 14.5026, 53.8369



Tritanomaly

31.3746, 17.4815, 22.1427

Monochromacy



Original Color

39.5144, 19.1113, 58.7330



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.4351, 9.5909, 22.1568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5144, 19.1113, 58.7330 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(217, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 204)  
}
```

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(217, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 39.5144, 19.1113, 58.7330 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(217, 0, 204) }
```


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

```
.border{ border-color:rgb(217, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5144, 19.1113, 58.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 204) }
```

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

```
.background{ background-color: rgb(217, 0,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor