

Converting Colors

XYZ(39.6710, 19.1654, 59.9452)

Have a look what the booklet for
XYZ(39.6710, 19.1654, 59.9452)
contains.

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Color

**XYZ(39.7558, 19.2079,
60.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	D900CE
RGB	217, 0, 206
RGB Percent	85%, 0%, 81%
CMY	0.1490, 0.9999, 0.1922
CMYK	0.00, 1.00, 0.05, 0.15
HSL	303°, 100%, 43%
HSV	303°, 100%, 85%
XYZ	39.7558, 19.2079, 60.0047
YIQ	88.3670, 63.2060, 110.0700

Conversions

Conversions Part 2

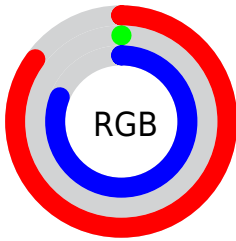
Format	Color
R_{YB}	217, 0, 206
Decimal	14221518
CIE _{Lab}	50.93, 85.44, -48.58
CIE _{LCh}	51, 98.285, 330.380
Yxy	19.2079, 0.3342, 0.1615
Android (android.graphics.Color)	4292411598 (0xFFD900CE)
YUV	88.3670, 57.9931, 112.8111
Hunter-Lab	43.8268, 85.2224, -50.4971

Details

The XYZ color **39.7558, 19.2079, 60.0047** 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 **24.8741, 49.6507, 8.5901**, and the grayscale version is **9.2276, 9.7082, 10.5722**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **19.4905, 9.4025, 30.0657** is the 20% darker color. If you saturate the color by 10%, you get **39.7560, 19.2080, 60.0039**, and if you desaturate by 10%, it is **40.1722, 19.8254, 60.8054**.

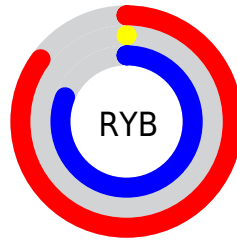
Distribution



Red (85%)

Green (0%)

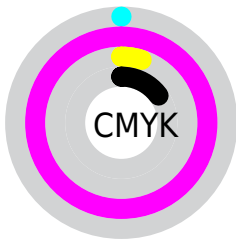
Blue (81%)



Red (85%)

Yellow (0%)

Blue (81%)

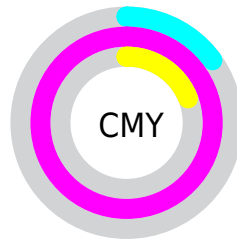


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (15%)



Cyan (15%)

Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7558, 19.2079, 60.0047 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 39.7558, 19.2079, 60.0047 by changing the saturation by 10% instead.


 39.7558, 19.2079,
60.0047


 39.7558, 19.2079,
60.0047


336.2453,
247.5941, 442.4202


 27.5316, 11.8206,
42.9971


 74.0782, 42.0851,
106.3799


 18.1115, 6.6216,
29.5515


 96.9071, 58.3438,
136.5846


 11.1302, 3.2266,
19.2492


 124.0016, 78.3284,
172.0255

 6.2224, 1.2512,
11.6719


 155.7270,
102.4233, 213.1209

 3.0227, 0.1029,
6.4008

 192.4487,
131.0130, 260.2896

 1.1658, 0.0000,
3.0176

 234.5321,

 0.0791, 0.0000,

164.4817, 313.9500

1.1036

282.3426,
203.2140, 374.5207

■ 0.0000, 0.0000,
0.0000

■ 39.7558, 19.2079,
60.0047

■ 39.7558, 19.2079,
60.0047

■ 39.7560, 19.2080,
60.0039

■ 40.1722, 19.8254,
60.8054

■ 40.9052, 21.0752,
61.7162

■ 42.0594, 23.1661,
62.7720

■ 43.6932, 26.2144,
63.9922

■ 45.8554, 30.3181,
65.3933

■ 48.5890, 35.5631,
66.9895

■ 51.9325, 42.0264,
68.7937

■ 55.9212, 49.7785,
70.8177

■ 60.5875, 58.8844,
73.0722

Harmonies

Analogous

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



29.4123, 19.2079, 109.1856



39.7558, 19.2079, 60.0047



43.9940, 19.2079, 20.5619

Triad

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



39.7558, 19.2079, 60.0047



18.1331, 19.2079, 0.0000



6.4269, 19.2079, 61.2521

Complementary

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



39.7558, 19.2079, 60.0047



24.8741, 49.6507, 8.5901

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.



5.2325, 19.2079, 21.2704



39.7558, 19.2079, 60.0047



10.3525, 19.2079, 0.2112

Square

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



39.7558, 19.2079, 60.0047



29.1189, 19.2079, 0.1656



6.3654, 19.2079, 4.0604



10.4999, 19.2079, 110.2552

Rectangle

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



39.7558, 19.2079, 60.0047



41.9285, 19.2079, 7.2785



6.3654, 19.2079, 4.0604



5.7566, 19.2079, 45.5892

Sweetspot

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



39.7566, 19.2088, 60.0051



74.6918, 60.2728, 99.0642



12.6613, 5.0808, 65.9597



15.5270, 12.0100, 20.9598



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.



39.7566, 19.2088, 60.0051



57.2777, 27.6751, 86.3834



30.8049, 15.6282, 12.8662



13.5844, 13.2629, 16.3386



24.0781, 11.6323, 36.3869



1.5688, 0.7572, 2.4044

Inverse Universe

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



39.7566, 19.2088, 60.0051



57.2777, 27.6751, 86.3834



28.1653, 50.9671, 25.9211



13.5844, 13.2629, 16.3386



24.0781, 11.6323, 36.3869



1.5688, 0.7572, 2.4044

Previews

White Background



This preview shows how the XYZ color 39.7558, 19.2079, 60.0047 looks on a white background.

Color Contrast Check

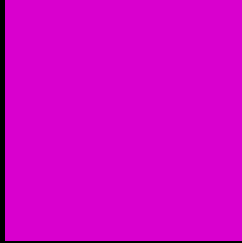
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7558, 19.2079, 60.0047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

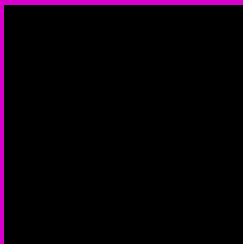
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7558, 19.2079, 60.0047

Background



This preview shows how black text looks on a background with the XYZ color 39.7558, 19.2079, 60.0047.



This preview shows how white text looks on a background with the XYZ color 39.7558, 19.2079,

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

39.7558, 19.2079, 60.0047

Protanopia

24.0094, 20.1587, 93.8924

Deuteranopia

20.4767, 19.9458, 53.8096



Tritanopia

29.7990, 19.5359, 11.0043

Trichromacy



Original Color

39.7558, 19.2079, 60.0047



Protanomaly

20.8043, 12.8293, 79.9771



Deuteranomaly

22.4332, 14.4315, 55.0293



Tritanomaly

31.5518, 17.6230, 22.8577

Monochromacy



Original Color

39.7558, 19.2079, 60.0047



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5026, 9.6179, 22.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7558, 19.2079, 60.0047 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 206) }
```

Border

The CSS property to change the border of an element to XYZ 39.7558, 19.2079, 60.0047 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, 206) }
```


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

```
.border{ border-color:rgb(217, 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(217, 0, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7558, 19.2079, 60.0047 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, 206) }
```

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

```
.background{ background-color: rgb(217, 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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