

Converting Colors

XYZ(39.9387, 19.1863, 65.2709)

Have a look what the booklet for
XYZ(39.9387, 19.1863, 65.2709)
contains.

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Color

**XYZ(39.8692, 19.1512,
65.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	D600D6
RGB	214, 0, 214
RGB Percent	84%, 0%, 84%
CMY	0.1608, 0.9999, 0.1608
CMYK	0.00, 1.00, 0.00, 0.16
HSL	300°, 100%, 42%
HSV	300°, 100%, 84%
XYZ	39.8692, 19.1512, 65.2135
YIQ	88.3820, 58.8500, 111.9220

Conversions

Conversions Part 2

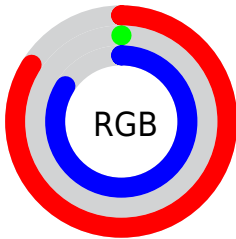
Format	Color
RYB	214, 0, 214
Decimal	14024918
CIELab	50.86, 86.08, -53.30
CIElCh	51, 101.248, 328.233
Yxy	19.1512, 0.3209, 0.1542
Android (android.graphics.Color)	4292214998 (0xFFD600D6)
YUV	88.3820, 61.9297, 110.1670
Hunter-Lab	43.7621, 86.0378, -57.7195

Details

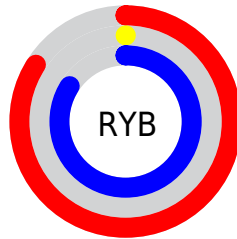
The XYZ color **39.8692, 19.1512, 65.2135** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.0475, 48.0942, 8.0166**, and the grayscale version is **9.2230, 9.7033, 10.5669**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.4980, 9.3386, 33.1226** is the 20% darker color. If you saturate the color by 10%, you get **39.8697, 19.1514, 65.2138**, and if you desaturate by 10%, it is **40.1458, 19.7037, 65.3059**.

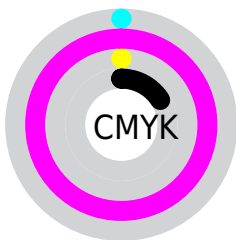
Distribution



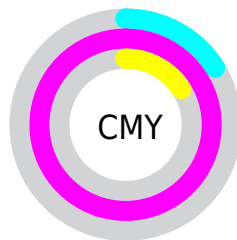
- Red (84%)
- Green (0%)
- Blue (84%)



- Red (84%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8692, 19.1512, 65.2135 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 39.8692, 19.1512, 65.2135 by changing the saturation by 10% instead.

 39.8692, 19.1512,
65.2135


 39.8692, 19.1512,
65.2135

336.7158,
247.2822, 461.8860


 27.6203, 11.7796,
47.1818


 74.2499, 41.9894,
113.9730

 18.1786, 6.5938,
32.8240


 97.1124, 58.2248,
145.5378


 11.1788, 3.2094,
21.7216


 124.2436, 78.1836,
182.4507

 6.2554, 1.2420,
13.4562


 156.0087,
102.2502, 225.1303

 3.0431, 0.0956,
7.6090

 192.7731,
130.8090, 273.9951

 1.1766, 0.0000,
3.7616

 234.9022,

 0.0878, 0.0000,

164.2443, 329.4636

1.4955

282.7613,
202.9406, 391.9544

■ 0.0000, 0.0000,
0.2146

■ 0.0000, 0.0000,
0.0000

■ 39.8692, 19.1512,
65.2135

■ 39.8692, 19.1512,
65.2135

■ 39.8697, 19.1514,
65.2138

■ 40.1458, 19.7037,
65.3059

■ 40.7274, 20.8669,
65.4999

■ 41.7161, 22.8443,
65.8295

■ 43.1681, 25.7482,
66.3136

■ 45.1307, 29.6733,
66.9678

■ 47.6453, 34.7025,
67.8061

■ 50.7492, 40.9103,
68.8409

■ 54.4765, 48.3648,
70.0834

■ 58.8584, 57.1287,
71.5441

Harmonies

Analogous

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



28.8694, 19.1512, 116.3737



39.8692, 19.1512, 65.2135



44.8987, 19.1512, 22.5932

Triad

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



39.8692, 19.1512, 65.2135



18.8008, 19.1512, 0.0000



5.9924, 19.1512, 59.1360

Complementary

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



39.8692, 19.1512, 65.2135



24.0475, 48.0942, 8.0166

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.



4.9727, 19.1512, 19.2034



39.8692, 19.1512, 65.2135



10.5522, 19.1512, 0.0000

Square

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



39.8692, 19.1512, 65.2135



30.2857, 19.1512, 0.1130



6.2790, 19.1512, 3.2403



9.8556, 19.1512, 111.1232

Rectangle

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



39.8692, 19.1512, 65.2135



43.1794, 19.1512, 7.9534



6.2790, 19.1512, 3.2403



5.3853, 19.1512, 43.1985

Sweetspot

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



39.8700, 19.1521, 65.2139



75.3100, 60.5201, 102.3196



12.1385, 4.8560, 63.9169



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.



39.8700, 19.1521, 65.2139



59.2898, 28.4799, 96.9787



30.3870, 15.3589, 15.2773



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Inverse Universe

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



39.8700, 19.1521, 65.2139



59.2898, 28.4799, 96.9787



26.7020, 49.1560, 21.9950



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 39.8692, 19.1512, 65.2135 looks on a white background.

Color Contrast Check

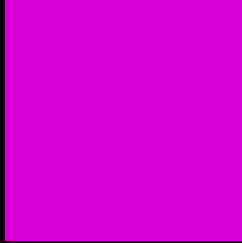
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8692, 19.1512, 65.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

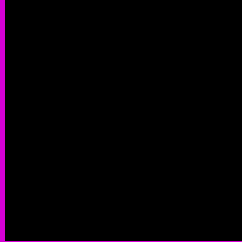
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8692, 19.1512, 65.2135

Background



This preview shows how black text looks on a background with the XYZ color 39.8692, 19.1512, 65.2135.



This preview shows how white text looks on a background with the XYZ color 39.8692, 19.1512,

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

39.8692, 19.1512, 65.2135

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.3732, 19.7994, 58.0062



Tritanopia

29.1032, 19.4963, 11.9021

Trichromacy



Original Color

39.8692, 19.1512, 65.2135



Protanomaly

21.0906, 12.8249, 82.2528



Deuteranomaly

22.1771, 14.1901, 59.9626



Tritanomaly

31.0999, 17.4173, 24.6444

Monochromacy



Original Color

39.8692, 19.1512, 65.2135



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5488, 9.6179, 23.5912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8692, 19.1512, 65.2135 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(214, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 214)  
}
```

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(214, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 39.8692, 19.1512, 65.2135 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(214, 0, 214) }
```


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

```
.border{ border-color:rgb(214, 0, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8692, 19.1512, 65.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 214) }
```

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

```
.background{ background-color: rgb(214, 0,  
214) }
```

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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