

Converting Colors

XYZ(35.3366, 16.9411, 59.2836)

Have a look what the booklet for
XYZ(35.3366, 16.9411, 59.2836)
contains.

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Color

**XYZ(35.3766, 16.9643,
59.1675)**

Conversions

Conversions Part 1

Format	Color
Hex	CA00CD
RGB	202, 0, 205
RGB Percent	79%, 0%, 80%
CMY	0.2078, 0.9999, 0.1961
CMYK	0.01, 1.00, 0.00, 0.20
HSL	299°, 100%, 40%
HSV	299°, 100%, 80%
XYZ	35.3766, 16.9643, 59.1675
YIQ	83.7680, 54.5870, 106.5790

Conversions

Conversions Part 2

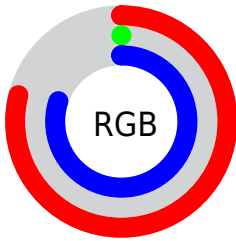
Format	Color
R_{YB}	202, 0, 205
Decimal	13238477
CIE _{Lab}	48.22, 82.87, -52.49
CIE _{LCh}	48, 98.099, 327.651
Yxy	16.9643, 0.3173, 0.1521
Android (android.graphics.Color)	4291428557 (0xFFCA00CD)
YUV	83.7680, 59.7674, 103.6895
Hunter-Lab	41.1877, 81.2371, -56.3406

Details

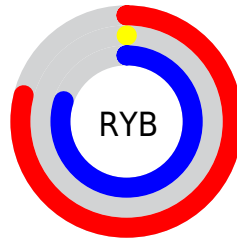
The XYZ color **35.3766, 16.9643, 59.1675** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.8694, 43.6824, 7.2796**, and the grayscale version is **8.2553, 8.6852, 9.4582**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **16.8327, 8.0416, 29.5192** is the 20% darker color. If you saturate the color by 10%, you get **35.3770, 16.9645, 59.1678**, and if you desaturate by 10%, it is **35.7178, 17.5254, 59.2581**.

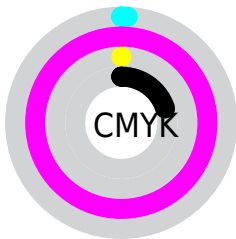
Distribution



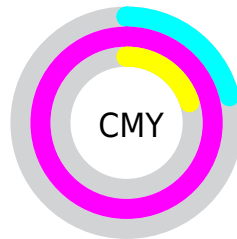
- Red (79%)
- Green (0%)
- Blue (80%)



- Red (79%)
- Yellow (0%)
- Blue (80%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (21%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3766, 16.9643, 59.1675 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 35.3766, 16.9643, 59.1675 by changing the saturation by 10% instead.

 35.3766, 16.9643,
59.1675


 35.3766, 16.9643,
59.1675


317.7065,
234.9666, 439.2415


 24.1210, 10.2090,
42.3271


 67.3990, 38.2644,
105.1526

 15.5486, 5.5378,
29.0300

 88.8964, 53.5780,
135.1343


 9.2941, 2.5661,
18.8577


 114.5385, 72.5132,
170.3336

 4.9922, 0.9097,
11.3918

 144.6907, 95.4543,
211.1689

 2.2774, 0.0000,
6.2135

 179.7182,
122.7859, 258.0588

 0.7831, 0.0000,
2.9045

 219.9864,

 0.0000, 0.0000,

154.8922, 311.4218

1.0461

265.8607,
192.1576, 371.6766

■ 0.0000, 0.0000,
0.0000

■ 35.3766, 16.9643,
59.1675

■ 35.3766, 16.9643,
59.1675

■ 35.3770, 16.9645,
59.1678

■ 35.7178, 17.5254,
59.2581

■ 36.3334, 18.6359,
59.4399

■ 37.3180, 20.4841,
59.7448

■ 38.7220, 23.1707,
60.1894

■ 40.5878, 26.7807,
60.7878

■ 42.9527, 31.3887,
61.5526

■ 45.8502, 37.0618,
62.4949

■ 49.3110, 43.8611,
63.6249

■ 53.3633, 51.8432,
64.9520

Harmonies

Analogous

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



25.4606, 16.9643, 105.0280



35.3766, 16.9643, 59.1675



40.0356, 16.9643, 20.5580

Triad

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



35.3766, 16.9643, 59.1675



16.8371, 16.9643, 0.0000



5.2066, 16.9643, 51.9107

Complementary

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



35.3766, 16.9643, 59.1675



21.8694, 43.6824, 7.2796

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.



4.3444, 16.9643, 16.5307



35.3766, 16.9643, 59.1675



9.4048, 16.9643, 0.0000

Square

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



35.3766, 16.9643, 59.1675



27.1471, 16.9643, 0.0178



5.5445, 16.9643, 2.6865



8.5803, 16.9643, 98.7455

Rectangle

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



35.3766, 16.9643, 59.1675



38.5997, 16.9643, 7.2253



5.5445, 16.9643, 2.6865



4.6835, 16.9643, 37.7165

Sweetspot

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



35.3773, 16.9651, 59.1678



74.8995, 60.3085, 102.3008



11.0571, 4.4826, 58.0403



15.5775, 12.0187, 21.7488



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.



35.3773, 16.9651, 59.1678



57.9308, 27.7793, 96.9164



27.7750, 14.0188, 14.8580



11.6707, 11.3951, 14.1547



22.0309, 10.5649, 36.8343



1.1419, 0.5478, 1.9005

Inverse Universe

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



25.1937, 12.9863, 1.2655



41.2604, 21.2682, 2.0376



24.0884, 44.5656, 19.1607



11.2189, 11.2163, 11.6872



15.6868, 8.0853, 0.8035



0.8116, 0.4181, 0.0540

Previews

White Background



This preview shows how the XYZ color 35.3766, 16.9643, 59.1675 looks on a white background.

Color Contrast Check

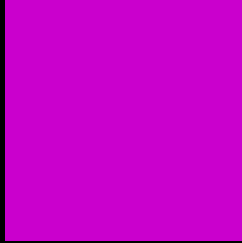
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.3766, 16.9643, 59.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

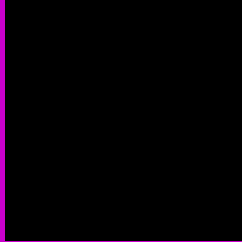
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.3766, 16.9643, 59.1675

Background



This preview shows how black text looks on a background with the XYZ color 35.3766, 16.9643, 59.1675.



This preview shows how white text looks on a background with the XYZ color 35.3766, 16.9643,

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

35.3766, 16.9643, 59.1675

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

18.2337, 17.7311, 52.9135



Tritanopia

25.5346, 17.2280, 10.7836

Trichromacy



Original Color

35.3766, 16.9643, 59.1675



Protanomaly

18.5915, 11.3592, 72.4468



Deuteranomaly

19.5971, 12.5736, 54.2174



Tritanomaly

27.3944, 15.4220, 22.3018

Monochromacy



Original Color

35.3766, 16.9643, 59.1675



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9218, 8.6167, 21.3515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3766, 16.9643, 59.1675 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(202, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 205)  
}
```

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(202, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 35.3766, 16.9643, 59.1675 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(202, 0, 205) }
```


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

```
.border{ border-color:rgb(202, 0, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3766, 16.9643, 59.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 205) }
```

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

```
.background{ background-color: rgb(202, 0,  
205) }
```

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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