

Converting Colors

XYZ(37.0104, 17.8450, 57.5122)

Have a look what the booklet for
XYZ(37.0104, 17.8450, 57.5122)
contains.

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Color

**XYZ(36.9552, 17.8196,
57.3689)**

Conversions

Conversions Part 1

Format	Color
Hex	D100CA
RGB	209, 0, 202
RGB Percent	82%, 0%, 79%
CMY	0.1804, 0.9999, 0.2078
CMYK	0.00, 1.00, 0.03, 0.18
HSL	302°, 100%, 41%
HSV	302°, 100%, 82%
XYZ	36.9552, 17.8196, 57.3689
YIQ	85.5190, 59.7220, 107.1300

Conversions

Conversions Part 2

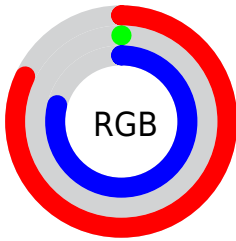
Format	Color
R_{YB}	209, 0, 202
Decimal	13697226
CIE _{Lab}	49.28, 83.57, -48.99
CIE _{LCh}	49, 96.871, 329.621
Yxy	17.8196, 0.3295, 0.1589
Android (android.graphics.Color)	4291887306 (0xFFD100CA)
YUV	85.5190, 57.4251, 108.2928
Hunter-Lab	42.2133, 82.3929, -51.0273

Details

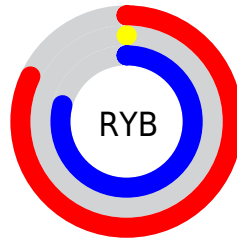
The XYZ color **36.9552, 17.8196, 57.3689** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.8397, 45.6172, 7.8031**, and the grayscale version is **8.6216, 9.0706, 9.8779**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **17.8441, 8.5906, 28.3214** is the 20% darker color. If you saturate the color by 10%, you get **36.9555, 17.8197, 57.3685**, and if you desaturate by 10%, it is **37.3056, 18.3868, 57.8958**.

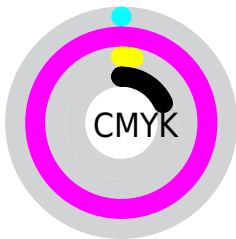
Distribution



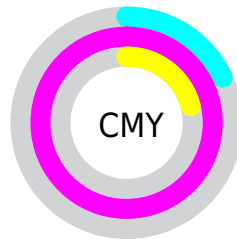
- Red (82%)
- Green (0%)
- Blue (79%)



- Red (82%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9552, 17.8196, 57.3689 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 36.9552, 17.8196, 57.3689 by changing the saturation by 10% instead.


 36.9552, 17.8196,
57.3689


 36.9552, 17.8196,
57.3689


324.4754,
239.8522, 432.3626

 25.3463, 10.8205,
40.8902

 69.8182, 39.7297,
102.5089


 16.4654, 5.9463,
27.9142


 91.8029, 55.4095,
132.0073

 9.9470, 2.8125,
18.0225


 117.9771, 74.7517,
166.6826

 5.4258, 1.0346,
10.7965

 148.7059, 98.1407,
206.9535

 2.5365, 0.0000,
5.8178

 184.3548,
125.9608, 253.2383

 0.9137, 0.0000,
2.6676

 225.2891,

 0.0000, 0.0000,

158.5966, 305.9558

0.9270

271.8742,
196.4322, 365.5244

■ 0.0000, 0.0000,
0.0000

■ 36.9552, 17.8196,
57.3689

■ 36.9552, 17.8196,
57.3689

■ 36.9555, 17.8197,
57.3685

■ 37.3056, 18.3868,
57.8958

■ 37.9442, 19.5304,
58.5205

■ 38.9687, 21.4452,
59.2757

■ 40.4321, 24.2372,
60.1791

■ 42.3789, 27.9954,
61.2455

■ 44.8483, 32.7982,
62.4879

■ 47.8754, 38.7158,
63.9181

■ 51.4923, 45.8123,
65.5468

■ 55.7286, 54.1471,
67.3838

Harmonies

Analogous

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



27.1382, 17.8196, 103.6729



36.9552, 17.8196, 57.3689



41.1443, 17.8196, 19.7361

Triad

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



36.9552, 17.8196, 57.3689



17.0531, 17.8196, 0.0000



5.8269, 17.8196, 56.1936

Complementary

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



36.9552, 17.8196, 57.3689



22.8397, 45.6172, 7.8031

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.



4.7751, 17.8196, 19.0727



36.9552, 17.8196, 57.3689



9.6785, 17.8196, 0.0523

Square

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



36.9552, 17.8196, 57.3689



27.4138, 17.8196, 0.0971



5.8839, 17.8196, 3.4941



9.5410, 17.8196, 102.6626

Rectangle

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



36.9552, 17.8196, 57.3689



39.3365, 17.8196, 6.9730



5.8839, 17.8196, 3.4941



5.2251, 17.8196, 41.5569

Sweetspot

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



36.9559, 17.8204, 57.3692



74.9001, 60.3562, 100.1613



11.5967, 4.6493, 60.6087



15.5777, 12.0303, 21.2269



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.



36.9559, 17.8204, 57.3692



57.9448, 27.9419, 89.8963



28.4786, 14.4295, 12.7284



12.2930, 12.0019, 14.8187



22.7930, 10.9900, 35.4115



1.2799, 0.6167, 2.0089

Inverse Universe

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



36.9559, 17.8204, 57.3692



57.9448, 27.9419, 89.8963



25.6970, 46.7601, 22.8496



12.2930, 12.0019, 14.8187



22.7930, 10.9900, 35.4115



1.2799, 0.6167, 2.0089

Previews

White Background



This preview shows how the XYZ color 36.9552, 17.8196, 57.3689 looks on a white background.

Color Contrast Check

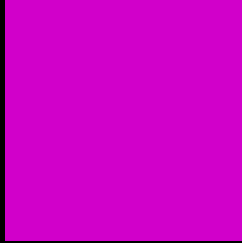
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9552, 17.8196, 57.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

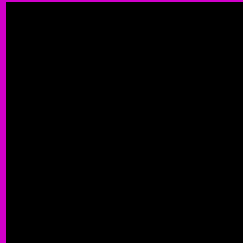
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9552, 17.8196, 57.3689

Background



This preview shows how black text looks on a background with the XYZ color 36.9552, 17.8196, 57.3689.



This preview shows how white text looks on a background with the XYZ color 36.9552, 17.8196,

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

36.9552, 17.8196, 57.3689

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

19.0330, 18.5311, 51.2889



Tritanopia

27.4222, 18.1024, 10.4363

Trichromacy



Original Color

36.9552, 17.8196, 57.3689



Protanomaly

19.3666, 11.9030, 74.6756



Deuteranomaly

20.9262, 13.4995, 52.5417



Tritanomaly

29.0588, 16.2310, 21.6800

Monochromacy



Original Color

36.9552, 17.8196, 57.3689



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6225, 9.1162, 21.4110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9552, 17.8196, 57.3689 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(209, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 202)  
}
```

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(209, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.9552, 17.8196, 57.3689 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(209, 0, 202) }
```


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

```
.border{ border-color:rgb(209, 0, 202) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9552, 17.8196, 57.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 202) }
```

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

```
.background{ background-color: rgb(209, 0,  
202) }
```

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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