

Converting Colors

XYZ(36.0027, 17.2718, 59.8872)

Have a look what the booklet for
XYZ(36.0027, 17.2718, 59.8872)
contains.

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Color

**XYZ(36.0424, 17.2936,
59.8309)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00CE
RGB	204, 0, 206
RGB Percent	80%, 0%, 81%
CMY	0.2000, 0.9999, 0.1922
CMYK	0.01, 1.00, 0.00, 0.19
HSL	299°, 100%, 40%
HSV	299°, 100%, 81%
XYZ	36.0424, 17.2936, 59.8309
YIQ	84.4800, 55.4580, 107.3140

Conversions

Conversions Part 2

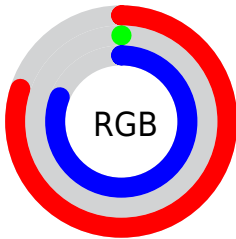
Format	Color
RYB	204, 0, 206
Decimal	13369550
CIELab	48.63, 83.34, -52.39
CIELCh	49, 98.435, 327.846
Yxy	17.2936, 0.3185, 0.1528
Android (android.graphics.Color)	4291559630 (0xFFCC00CE)
YUV	84.4800, 59.9094, 104.8190
Hunter-Lab	41.5856, 81.9320, -56.1931

Details

The XYZ color **36.0424, 17.2936, 59.8309** 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 **22.0969, 44.1559, 7.3591**, and the grayscale version is **8.4013, 8.8388, 9.6255**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.2630, 8.2541, 29.9615** is the 20% darker color. If you saturate the color by 10%, you get **36.0427, 17.2938, 59.8311**, and if you desaturate by 10%, it is **36.3590, 17.8448, 59.9208**.

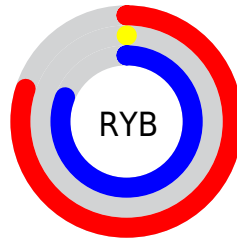
Distribution



Red (80%)

Green (0%)

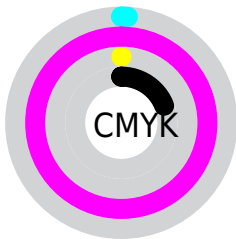
Blue (81%)



Red (80%)

Yellow (0%)

Blue (81%)

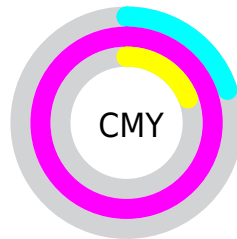


Cyan (1%)

Magenta (100%)

Yellow (0%)

Black (19%)



Cyan (20%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0424, 17.2936, 59.8309 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 36.0424, 17.2936, 59.8309 by changing the saturation by 10% instead.

 36.0424, 17.2936,
59.8309


 36.0424, 17.2936,
59.8309

320.5738,
236.8587, 441.7615

 24.6372, 10.4440,
42.8579


 68.4209, 38.8299,
106.1253

 15.9343, 5.6944,
29.4431


 90.1250, 54.2854,
136.2838

 9.5682, 2.6601,
19.1678


 115.9927, 73.3784,
171.6746

 5.1737, 0.9570,
11.6136

 146.3895, 96.4932,
212.7162

 2.3853, 0.0000,
6.3618

 181.6806,
124.0142, 259.8272

 0.8378, 0.0000,
2.9940

 222.2315,

 0.0000, 0.0000,

156.3259, 313.4260

1.0916

268.4074,
193.8126, 373.9313

■ 0.0000, 0.0000,
0.0000

■ 36.0424, 17.2936,
59.8309

■ 36.0424, 17.2936,
59.8309

■ 36.0427, 17.2938,
59.8311

■ 36.3590, 17.8448,
59.9208

■ 36.9534, 18.9520,
60.1032

■ 37.9208, 20.8053,
60.4099

■ 39.3123, 23.5064,
60.8580

■ 41.1707, 27.1415,
61.4617

■ 43.5340, 31.7862,
62.2336

■ 46.4360, 37.5081,
63.1851

■ 49.9076, 44.3692,
64.3265

■ 53.9776, 52.4268,
65.6672

Harmonies

Analogous

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



25.9933, 17.2936, 106.3941



36.0424, 17.2936, 59.8309



40.7215, 17.2936, 20.7685

Triad

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



36.0424, 17.2936, 59.8309



17.1007, 17.2936, 0.0000



5.3425, 17.2936, 53.0803

Complementary

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



36.0424, 17.2936, 59.8309



22.0969, 44.1559, 7.3591

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.



4.4495, 17.2936, 17.0157



36.0424, 17.2936, 59.8309



9.5675, 17.2936, 0.0000

Square

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



36.0424, 17.2936, 59.8309



27.5636, 17.2936, 0.0352



5.6582, 17.2936, 2.8010



8.7983, 17.2936, 100.5539

Rectangle

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



36.0424, 17.2936, 59.8309



39.2277, 17.2936, 7.3033



5.6582, 17.2936, 2.8010



4.8042, 17.2936, 38.6367

Sweetspot

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



36.0431, 17.2944, 59.8312



75.0374, 60.3796, 102.3073



11.1785, 4.5315, 58.6783



15.6112, 12.0360, 21.7503



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.



36.0431, 17.2944, 59.8312



58.3853, 28.0136, 96.9377



28.0788, 14.1724, 15.0135



11.6764, 11.3980, 14.1550



22.1990, 10.6516, 36.8422



1.1488, 0.5513, 1.9008

Inverse Universe

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



25.4651, 13.1269, 1.2498



41.2536, 21.2654, 2.0014



24.3518, 45.0550, 19.3636



11.2167, 11.2154, 11.6757



15.6823, 8.0835, 0.7799



0.8106, 0.4177, 0.0486

Previews

White Background



This preview shows how the XYZ color 36.0424, 17.2936, 59.8309 looks on a white background.

Color Contrast Check

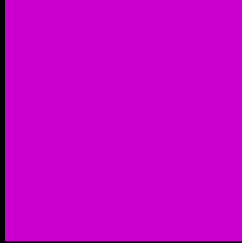
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0424, 17.2936, 59.8309 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 36.0424, 17.2936, 59.8309

Background



This preview shows how black text looks on a background with the XYZ color 36.0424, 17.2936, 59.8309.



This preview shows how white text looks on a background with the XYZ color 36.0424, 17.2936,

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

36.0424, 17.2936, 59.8309

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.5999, 18.0809, 53.5486



Tritanopia

26.1080, 17.6331, 10.8316

Trichromacy



Original Color

36.0424, 17.2936, 59.8309



Protanomaly

19.0065, 11.6366, 73.9174



Deuteranomaly

20.0452, 12.8913, 54.8578



Tritanomaly

28.0222, 15.8035, 22.6925

Monochromacy



Original Color

36.0424, 17.2936, 59.8309



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0715, 8.6939, 21.3585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0424, 17.2936, 59.8309 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(204, 0, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.0424, 17.2936, 59.8309 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(204, 0, 206) }
```


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

```
.border{ border-color:rgb(204, 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(204, 0, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0424, 17.2936, 59.8309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 206) }
```

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

```
.background{ background-color: rgb(204, 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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