

Converting Colors

XYZ(36.5548, 17.5800, 58.8511)

Have a look what the booklet for
XYZ(36.5548, 17.5800, 58.8511)
contains.

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Color

**XYZ(36.6312, 17.6250,
58.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00CC
RGB	207, 0, 204
RGB Percent	81%, 0%, 80%
CMY	0.1882, 0.9999, 0.2000
CMYK	0.00, 1.00, 0.01, 0.19
HSL	301°, 100%, 41%
HSV	301°, 100%, 81%
XYZ	36.6312, 17.6250, 58.5980
YIQ	85.1490, 57.8880, 107.3280

Conversions

Conversions Part 2

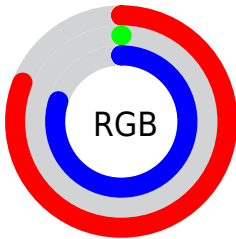
Format	Color
RYB	207, 0, 204
Decimal	13566156
CIELab	49.04, 83.53, -50.55
CIELCh	49, 97.632, 328.820
Yxy	17.6250, 0.3246, 0.1562
Android (android.graphics.Color)	4291756236 (0xFFCF00CC)
YUV	85.1490, 58.5935, 106.8633
Hunter-Lab	41.9821, 82.2801, -53.3685

Details

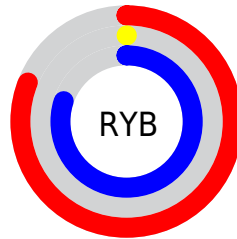
The XYZ color **36.6312, 17.6250, 58.5980** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.3301, 44.6331, 7.5251**, and the grayscale version is **8.5420, 8.9868, 9.7866**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.6376, 8.4658, 29.1382** is the 20% darker color. If you saturate the color by 10%, you get **36.6316, 17.6252, 58.5980**, and if you desaturate by 10%, it is **36.9309, 18.1660, 58.8758**.

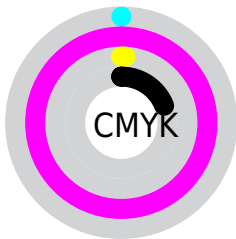
Distribution



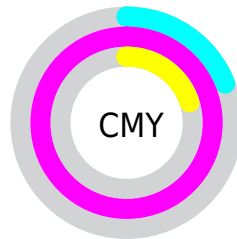
- Red (81%)
- Green (0%)
- Blue (80%)



- Red (81%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6312, 17.6250, 58.5980 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 36.6312, 17.6250, 58.5980 by changing the saturation by 10% instead.

 36.6312, 17.6250,
58.5980


 36.6312, 17.6250,
58.5980


323.0944,
238.7488, 437.0709


 25.0944, 10.6811,
41.8717


 69.3227, 39.3973,
104.3165

 16.2765, 5.8528,
28.6760


 91.2082, 54.9945,
134.1459

 9.8121, 2.7558,
18.5924


 117.2740, 74.2448,
169.1800

 5.3359, 1.0056,
11.2023

 147.8853, 97.5328,
209.8374

 2.4824, 0.0000,
6.0872

 183.4077,
125.2428, 256.5366

 0.8864, 0.0000,
2.8285

 224.2065,

 0.0000, 0.0000,

157.7592, 309.6963

1.0078

270.6469,
195.4664, 369.7348

■ 0.0000, 0.0000,
0.0000

■ 36.6312, 17.6250,
58.5980

■ 36.6312, 17.6250,
58.5980

■ 36.6316, 17.6252,
58.5980

■ 36.9309, 18.1660,
58.8758

■ 37.5116, 19.2697,
59.2475

■ 38.4695, 21.1277,
59.7453

■ 39.8563, 23.8432,
60.3864

■ 41.7155, 27.5034,
61.1853

■ 44.0852, 32.1847,
62.1547

■ 46.9998, 37.9556,
63.3061

■ 50.4907, 44.8788,
64.6499

■ 54.5867, 53.0123,
66.1958

Harmonies

Analogous

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



26.6852, 17.6250, 105.1278



36.6312, 17.6250, 58.5980



41.0511, 17.6250, 20.2413

Triad

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



36.6312, 17.6250, 58.5980



17.1150, 17.6250, 0.0000



5.6205, 17.6250, 54.9155

Complementary

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



36.6312, 17.6250, 58.5980



22.3301, 44.6331, 7.5251

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.



4.6390, 17.6250, 18.1769



36.6312, 17.6250, 58.5980



9.6519, 17.6250, 0.0000

Square

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



36.6312, 17.6250, 58.5980



27.5456, 17.6250, 0.0713



5.7963, 17.6250, 3.1795



9.2262, 17.6250, 101.9531

Rectangle

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



36.6312, 17.6250, 58.5980



39.3802, 17.6250, 7.1367



5.7963, 17.6250, 3.1795



5.0463, 17.6250, 40.3285

Sweetspot

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



36.6319, 17.6258, 58.5983



75.1320, 60.4489, 101.3822



11.2633, 4.5058, 59.3084



15.6343, 12.0529, 21.5246



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.



36.6319, 17.6258, 58.5983



58.7003, 28.2441, 93.8749



28.2069, 14.2558, 14.2327



12.3031, 12.0060, 14.8720



23.0825, 11.1058, 36.9360



1.2931, 0.6219, 2.0780

Inverse Universe

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



36.6319, 17.6258, 58.5983



58.7003, 28.2441, 93.8749



24.7876, 45.6161, 20.4661



12.3031, 12.0060, 14.8720



23.0825, 11.1058, 36.9360



1.2931, 0.6219, 2.0780

Previews

White Background



This preview shows how the XYZ color 36.6312, 17.6250, 58.5980 looks on a white background.

Color Contrast Check

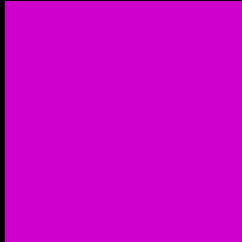
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6312, 17.6250, 58.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

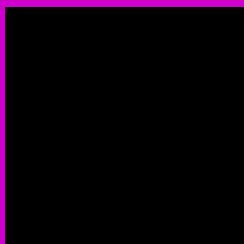
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6312, 17.6250, 58.5980

Background



This preview shows how black text looks on a background with the XYZ color 36.6312, 17.6250, 58.5980.



This preview shows how white text looks on a background with the XYZ color 36.6312, 17.6250,

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

36.6312, 17.6250, 58.5980

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.9353, 18.4553, 52.4334



Tritanopia

26.7565, 17.8625, 10.6319

Trichromacy



Original Color

36.6312, 17.6250, 58.5980



Protanomaly

19.2878, 11.8624, 74.6719



Deuteranomaly

20.5743, 13.2920, 53.7058



Tritanomaly

28.6333, 16.0683, 22.0144

Monochromacy



Original Color

36.6312, 17.6250, 58.5980



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2687, 8.8640, 21.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6312, 17.6250, 58.5980 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(207, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 204)  
}
```

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(207, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.6312, 17.6250, 58.5980 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(207, 0, 204) }
```


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

```
.border{ border-color:rgb(207, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6312, 17.6250, 58.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 204) }
```

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

```
.background{ background-color: rgb(207, 0,  
204) }
```

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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