

Converting Colors

XYZ(36.4031, 17.5193, 58.0520)

Have a look what the booklet for
XYZ(36.4031, 17.5193, 58.0520)
contains.

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Color

**XYZ(36.5116, 17.5772,
57.9683)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00CB
RGB	207, 0, 203
RGB Percent	81%, 0%, 80%
CMY	0.1882, 0.9999, 0.2039
CMYK	0.00, 1.00, 0.02, 0.19
HSL	301°, 100%, 41%
HSV	301°, 100%, 81%
XYZ	36.5116, 17.5772, 57.9683
YIQ	85.0350, 58.2090, 107.0170

Conversions

Conversions Part 2

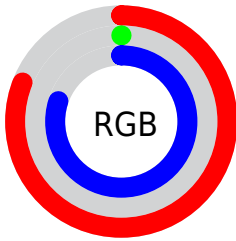
Format	Color
R_{YB}	207, 0, 203
Decimal	13566155
CIE _{Lab}	48.98, 83.39, -50.06
CIE _{LCh}	49, 97.260, 329.020
Yxy	17.5772, 0.3258, 0.1569
Android (android.graphics.Color)	4291756235 (0xFFCF00CB)
YUV	85.0350, 58.1567, 106.9633
Hunter-Lab	41.9252, 82.0822, -52.6304

Details

The XYZ color **36.5116, 17.5772, 57.9683** 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 **22.3356, 44.6352, 7.5540**, and the grayscale version is **8.5194, 8.9631, 9.7608**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.5580, 8.4340, 28.7195** is the 20% darker color. If you saturate the color by 10%, you get **36.5119, 17.5774, 57.9682**, and if you desaturate by 10%, it is **36.8230, 18.1229, 58.3078**.

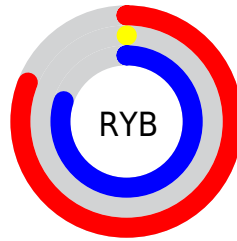
Distribution



Red (81%)

Green (0%)

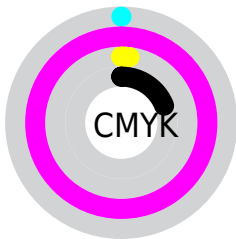
Blue (80%)



Red (81%)

Yellow (0%)

Blue (80%)

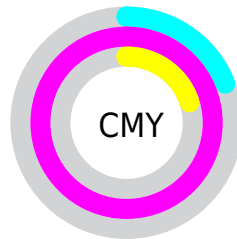


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (19%)



Cyan (19%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5116, 17.5772, 57.9683 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 36.5116, 17.5772, 57.9683 by changing the saturation by 10% instead.

 36.5116, 17.5772,
57.9683


 36.5116, 17.5772,
57.9683


322.5835,
238.4770, 434.6628


 25.0015, 10.6469,
41.3686


 69.1397, 39.3156,
103.3910

 16.2069, 5.8299,
28.2854


 90.9884, 54.8924,
133.0511


 9.7625, 2.7419,
18.3000


 117.0141, 74.1201,
167.9018

 5.3028, 0.9985,
10.9939

 147.5820, 97.3832,
208.3616

 2.4626, 0.0000,
5.9486

 183.0575,
125.0661, 254.8491

 0.8764, 0.0000,
2.7456

 223.8061,

 0.0000, 0.0000,

157.5531, 307.7827

0.9662

270.1930,
195.2286, 367.5811

■ 0.0000, 0.0000,
0.0000

■ 36.5116, 17.5772,
57.9683

■ 36.5116, 17.5772,
57.9683

■ 36.5119, 17.5774,
57.9682

■ 36.8230, 18.1229,
58.3078

■ 37.4155, 19.2314,
58.7415

■ 38.3854, 21.0943,
59.3016

■ 39.7841, 23.8147,
60.0052

■ 41.6552, 27.4798,
60.8669

■ 44.0370, 32.1659,
61.8995

■ 46.9637, 37.9418,
63.1143

■ 50.4667, 44.8700,
64.5218

■ 54.5750, 53.0085,
66.1317

Harmonies

Analogous

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



26.6520, 17.5772, 104.1869



36.5116, 17.5772, 57.9683



40.8497, 17.5772, 20.0036

Triad

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



36.5116, 17.5772, 57.9683



17.0060, 17.5772, 0.0000



5.6410, 17.5772, 54.9327

Complementary

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



36.5116, 17.5772, 57.9683



22.3356, 44.6352, 7.5540

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.



4.6475, 17.5772, 18.2989



36.5116, 17.5772, 57.9683



9.6059, 17.5772, 0.0000

Square

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



36.5116, 17.5772, 57.9683



27.3620, 17.5772, 0.0742



5.7865, 17.5772, 3.2390



9.2539, 17.5772, 101.5717

Rectangle

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



36.5116, 17.5772, 57.9683



39.1538, 17.5772, 7.0566



5.7865, 17.5772, 3.2390



5.0631, 17.5772, 40.4127

Sweetspot

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



36.5123, 17.5780, 57.9686



75.0729, 60.4253, 101.0709



11.3065, 4.5282, 59.3103



15.6198, 12.0472, 21.4487



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.



36.5123, 17.5780, 57.9686



58.5064, 28.1666, 92.8538



28.0362, 14.1876, 13.3342



12.3005, 12.0050, 14.8584



23.0082, 11.0761, 36.5449



1.2897, 0.6206, 2.0603

Inverse Universe

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



36.5123, 17.5780, 57.9686



58.5064, 28.1666, 92.8538



24.9655, 45.6872, 21.4030



12.3005, 12.0050, 14.8584



23.0082, 11.0761, 36.5449



1.2897, 0.6206, 2.0603

Previews

White Background



This preview shows how the XYZ color 36.5116, 17.5772, 57.9683 looks on a white background.

Color Contrast Check

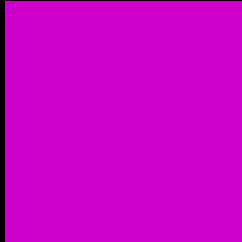
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5116, 17.5772, 57.9683 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 36.5116, 17.5772, 57.9683

Background



This preview shows how black text looks on a background with the XYZ color 36.5116, 17.5772, 57.9683.



This preview shows how white text looks on a background with the XYZ color 36.5116, 17.5772,

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

36.5116, 17.5772, 57.9683

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.7841, 18.2143, 51.8159



Tritanopia

27.0140, 17.9953, 10.6440

Trichromacy



Original Color

36.5116, 17.5772, 57.9683



Protanomaly

19.1493, 11.8070, 73.9427



Deuteranomaly

20.5348, 13.1832, 53.0921



Tritanomaly

28.6333, 16.0683, 22.0144

Monochromacy



Original Color

36.5116, 17.5772, 57.9683



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 36.5116, 17.5772, 57.9683 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 36.5116, 17.5772, 57.9683 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, 203) }
```


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

```
.border{ border-color:rgb(207, 0, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5116, 17.5772, 57.9683 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, 203) }
```

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

```
.background{ background-color: rgb(207, 0,  
203) }
```

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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