

Converting Colors

XYZ(36.8126, 17.6831, 60.2085)

Have a look what the booklet for
XYZ(36.8126, 17.6831, 60.2085)
contains.

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Color

**XYZ(36.9946, 17.7704,
60.5117)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CF00CF |
| RGB | 207, 0, 207 |
| RGB Percent | 81%, 0%, 81% |
| CMY | 0.1882, 0.9999, 0.1882 |
| CMYK | 0.00, 1.00, 0.00, 0.19 |
| HSL | 300°, 100%, 41% |
| HSV | 300°, 100%, 81% |
| XYZ | 36.9946, 17.7704, 60.5117 |
| YIQ | 85.4910, 56.9250, 108.2610 |

Conversions

Conversions Part 2

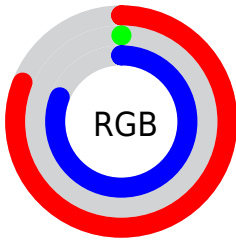
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 207, 0, 207 |
| Decimal | 13566159 |
| CIELab | 49.22, 83.96, -51.99 |
| CIELCh | 49, 98.754, 328.233 |
| Yxy | 17.7704, 0.3209, 0.1542 |
| Android (android.graphics.Color) | 4291756239 (0xFFCF00CF) |
| YUV | 85.4910, 59.9039, 106.5634 |
| Hunter-Lab | 42.1550, 82.8780, -55.5999 |

Details

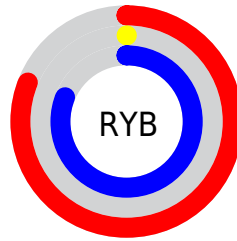
The XYZ color **36.9946, 17.7704, 60.5117** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.3137, 44.6265, 7.4386**, and the grayscale version is **8.6110, 9.0594, 9.8657**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **17.8802, 8.5629, 30.4162** is the 20% darker color. If you saturate the color by 10%, you get **36.9950, 17.7706, 60.5119**, and if you desaturate by 10%, it is **37.2582, 18.2970, 60.5997**.

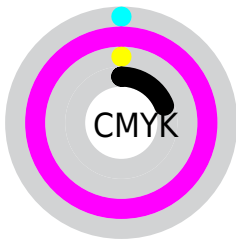
Distribution



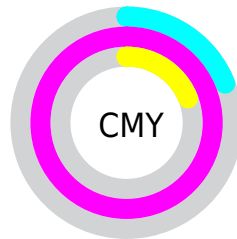
- Red (81%)
- Green (0%)
- Blue (81%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9946, 17.7704, 60.5117 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 36.9946, 17.7704, 60.5117 by changing the saturation by 10% instead.


 36.9946, 17.7704,
60.5117


 36.9946, 17.7704,
60.5117


324.6431,
239.5737, 444.3382

 25.3770, 10.7853,
43.4032


 69.8784, 39.6457,
107.1222

 16.4884, 5.9226,
29.8679


 91.8752, 55.3047,
137.4613


 9.9634, 2.7981,
19.4871


 118.0625, 74.6237,
173.0478

 5.4368, 1.0273,
11.8424

 148.8056, 97.9872,
214.3000

 2.5431, 0.0000,
6.5152

 184.4698,
125.7796, 261.6367

 0.9171, 0.0000,
3.0870

 225.4206,

 0.0000, 0.0000,

158.3852, 315.4762

1.1392

272.0232,
196.1884, 376.2372

■ 0.0000, 0.0000,
0.0000

■ 36.9946, 17.7704,
60.5117

■ 36.9946, 17.7704,
60.5117

■ 36.9950, 17.7706,
60.5119

■ 37.2582, 18.2970,
60.5997

■ 37.8029, 19.3863,
60.7814

■ 38.7247, 21.2300,
61.0887

■ 40.0753, 23.9311,
61.5389

■ 41.8982, 27.5768,
62.1466

■ 44.2316, 32.2436,
62.9245

■ 47.1098, 38.0000,
63.8839

■ 50.5642, 44.9088,
65.0354

■ 54.6237, 53.0278,
66.3887

Harmonies

Analogous

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



26.7879, 17.7704, 107.9832



36.9946, 17.7704, 60.5117



41.6614, 17.7704, 20.9643

Triad

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



36.9946, 17.7704, 60.5117



17.4452, 17.7704, 0.0000



5.5604, 17.7704, 54.8722

Complementary

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



36.9946, 17.7704, 60.5117



22.3137, 44.6265, 7.4386

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.



4.6142, 17.7704, 17.8187



36.9946, 17.7704, 60.5117



9.7914, 17.7704, 0.0000

Square

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



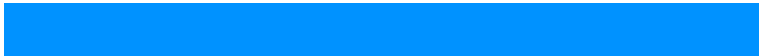
36.9946, 17.7704, 60.5117



28.1021, 17.7704, 0.0627



5.8263, 17.7704, 3.0066



9.1450, 17.7704, 103.1111

Rectangle

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



36.9946, 17.7704, 60.5117



40.0662, 17.7704, 7.3800



5.8263, 17.7704, 3.0066



4.9970, 17.7704, 40.0837

Sweetspot

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



36.9953, 17.7712, 60.5121



75.3100, 60.5201, 102.3197



11.2633, 4.5059, 59.3084



15.6777, 12.0703, 21.7534



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.



36.9953, 17.7712, 60.5121



59.2898, 28.4799, 96.9791



28.2069, 14.2559, 14.2329



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Inverse Universe

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



36.9953, 17.7712, 60.5121



59.2898, 28.4799, 96.9791



24.7876, 45.6161, 20.4663



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 36.9946, 17.7704, 60.5117 looks on a white background.

Color Contrast Check

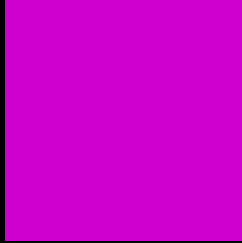
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9946, 17.7704, 60.5117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

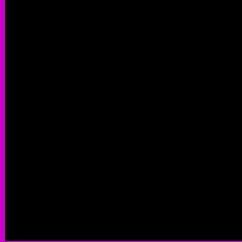
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9946, 17.7704, 60.5117

Background



This preview shows how black text looks on a background with the XYZ color 36.9946, 17.7704, 60.5117.



This preview shows how white text looks on a background with the XYZ color 36.9946, 17.7704,

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

36.9946, 17.7704, 60.5117

Protanopia

22.1577, 18.6723, 86.4407

Deuteranopia

19.0457, 18.4734, 54.1917



Tritanopia

26.9109, 18.0423, 11.0810

Trichromacy



Original Color

36.9946, 17.7704, 60.5117



Protanomaly

19.4271, 11.9181, 75.4052



Deuteranomaly

20.6390, 13.2855, 55.5094



Tritanomaly

28.8779, 16.2368, 23.0847

Monochromacy



Original Color

36.9946, 17.7704, 60.5117



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6014, 9.0899, 22.1040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9946, 17.7704, 60.5117 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, 207)` looks like.

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

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, 207) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 36.9946, 17.7704, 60.5117 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, 207) }
```


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

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

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, 207)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 36.9946, 17.7704, 60.5117 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, 207) }
```

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

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

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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