

Converting Colors

XYZ(36.8056, 17.6803, 60.1718)

Have a look what the booklet for
XYZ(36.8056, 17.6803, 60.1718)
contains.

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Color

**XYZ(36.8727, 17.7216,
59.8697)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00CE
RGB	207, 0, 206
RGB Percent	81%, 0%, 81%
CMY	0.1882, 0.9999, 0.1922
CMYK	0.00, 1.00, 0.00, 0.19
HSL	300°, 100%, 41%
HSV	300°, 100%, 81%
XYZ	36.8727, 17.7216, 59.8697
YIQ	85.3770, 57.2460, 107.9500

Conversions

Conversions Part 2

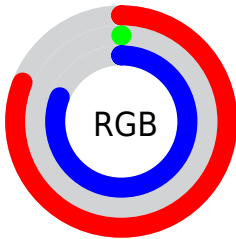
Format	Color
R_{YB}	207, 0, 206
Decimal	13566158
CIE _{Lab}	49.16, 83.82, -51.51
CIE _{LCh}	49, 98.379, 328.426
Yxy	17.7216, 0.3221, 0.1548
Android (android.graphics.Color)	4291756238 (0xFFCF00CE)
YUV	85.3770, 59.4671, 106.6634
Hunter-Lab	42.0970, 82.6780, -54.8533

Details

The XYZ color **36.8727, 17.7216, 59.8697** 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 **22.3191, 44.6288, 7.4674**, and the grayscale version is **8.5877, 9.0350, 9.8391**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **17.7987, 8.5303, 29.9866** is the 20% darker color. If you saturate the color by 10%, you get **36.8731, 17.7218, 59.8699**, and if you desaturate by 10%, it is **37.1485, 18.2531, 60.0218**.

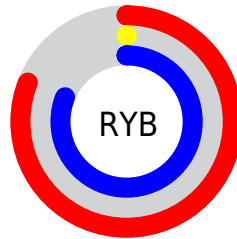
Distribution



Red (81%)

Green (0%)

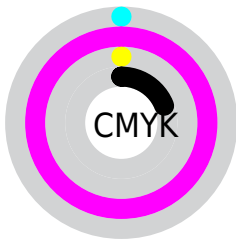
Blue (81%)



Red (81%)

Yellow (0%)

Blue (81%)

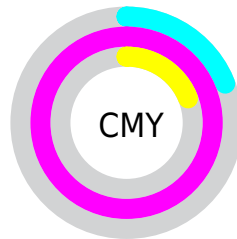


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (19%)



Cyan (19%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8727, 17.7216, 59.8697 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 36.8727, 17.7216, 59.8697 by changing the saturation by 10% instead.

 36.8727, 17.7216,
59.8697


 36.8727, 17.7216,
59.8697


324.1242,
239.2971, 441.9086

 25.2822, 10.7503,
42.8890


 69.6921, 39.5624,
106.1821

 16.4173, 5.8992,
29.4673


 91.6516, 55.2006,
136.3510


 9.9126, 2.7839,
19.1860


 117.7982, 74.4966,
171.7530

 5.4029, 1.0200,
11.6266

 148.4971, 97.8348,
212.8066

 2.5227, 0.0000,
6.3705

 184.1139,
125.5996, 259.9304

 0.9067, 0.0000,
2.9992

 225.0137,

 0.0000, 0.0000,

158.1753, 313.5430

1.0942

271.5620,
195.9463, 374.0629

■ 0.0000, 0.0000,
0.0000

■ 36.8727, 17.7216,
59.8697

■ 36.8727, 17.7216,
59.8697

■ 36.8731, 17.7218,
59.8699

■ 37.1485, 18.2531,
60.0218

■ 37.7053, 19.3472,
60.2674

■ 38.6392, 21.1956,
60.6389

■ 40.0019, 23.9015,
61.1532

■ 41.8369, 27.5520,
61.8251

■ 44.1825, 32.2235,
62.6672

■ 47.0729, 37.9847,
63.6909

■ 50.5394, 44.8982,
64.9067

■ 54.6110, 53.0219,
66.3243

Harmonies

Analogous

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



26.7531, 17.7216, 107.0259



36.8727, 17.7216, 59.8697



41.4570, 17.7216, 20.7217

Triad

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



36.8727, 17.7216, 59.8697



17.3346, 17.7216, 0.0000



5.5802, 17.7216, 54.8853

Complementary

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



36.8727, 17.7216, 59.8697



22.3191, 44.6288, 7.4674

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.



4.6223, 17.7216, 17.9369



36.8727, 17.7216, 59.8697



9.7447, 17.7216, 0.0000

Square

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



36.8727, 17.7216, 59.8697



27.9157, 17.7216, 0.0655



5.8162, 17.7216, 3.0633



9.1717, 17.7216, 102.7227

Rectangle

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



36.8727, 17.7216, 59.8697



39.8364, 17.7216, 7.2984



5.8162, 17.7216, 3.0633



5.0133, 17.7216, 40.1641

Sweetspot

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



36.8734, 17.7224, 59.8701



75.2505, 60.4963, 102.0066



11.2633, 4.5058, 59.3085



15.6632, 12.0645, 21.6769



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.



36.8734, 17.7224, 59.8701



59.0920, 28.4008, 95.9375



28.2069, 14.2558, 14.2326



12.3083, 12.0080, 14.8992



23.2325, 11.1658, 37.7259



1.2998, 0.6246, 2.1137

Inverse Universe

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



36.8734, 17.7224, 59.8701



59.0920, 28.4008, 95.9375



24.7876, 45.6161, 20.4660



12.3083, 12.0080, 14.8992



23.2325, 11.1658, 37.7259



1.2998, 0.6246, 2.1137

Previews

White Background



This preview shows how the XYZ color 36.8727, 17.7216, 59.8697 looks on a white background.

Color Contrast Check

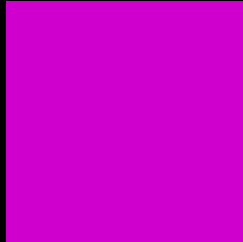
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8727, 17.7216, 59.8697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

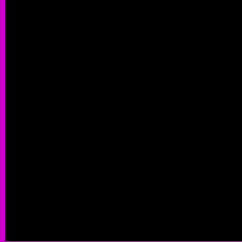
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8727, 17.7216, 59.8697

Background



This preview shows how black text looks on a background with the XYZ color 36.8727, 17.7216, 59.8697.



This preview shows how white text looks on a background with the XYZ color 36.8727, 17.7216,

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

36.8727, 17.7216, 59.8697

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

19.0069, 18.4664, 53.6015



Tritanopia

26.8703, 18.0261, 10.8673

Trichromacy



Original Color

36.8727, 17.7216, 59.8697



Protanomaly

19.4271, 11.9181, 75.4052



Deuteranomaly

20.6626, 13.3110, 54.9063



Tritanomaly

28.8104, 16.2098, 22.7294

Monochromacy



Original Color

36.8727, 17.7216, 59.8697



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3349, 8.8904, 21.7294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8727, 17.7216, 59.8697 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.8727, 17.7216, 59.8697 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, 206) }
```


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

```
.border{ border-color:rgb(207, 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(207, 0, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8727, 17.7216, 59.8697 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, 206) }
```

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

```
.background{ background-color: rgb(207, 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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