

Converting Colors

XYZ(35.7215, 17.0505, 66.3790)

Have a look what the booklet for
XYZ(35.7215, 17.0505, 66.3790)
contains.

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Color

**XYZ(35.7268, 17.0505,
66.3738)**

Conversions

Conversions Part 1

Format	Color
Hex	C604D8
RGB	198, 4, 216
RGB Percent	78%, 2%, 85%
CMY	0.2235, 0.9842, 0.1529
CMYK	0.08, 0.98, 0.00, 0.15
HSL	295°, 96%, 43%
HSV	295°, 98%, 85%
XYZ	35.7268, 17.0505, 66.3738
YIQ	86.1740, 47.5720, 107.0600

Conversions

Conversions Part 2

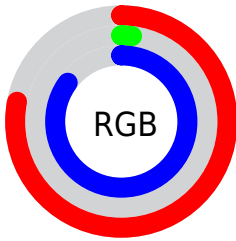
Format	Color
RYB	198, 4, 216
Decimal	12977368
CIELab	48.32, 83.59, -58.68
CIELCh	48, 102.128, 324.932
Yxy	17.0505, 0.2998, 0.1431
Android (android.graphics.Color)	4291167448 (0xFFC604D8)
YUV	86.1740, 64.0042, 98.0714
Hunter-Lab	41.2923, 82.1800, -66.3991

Details

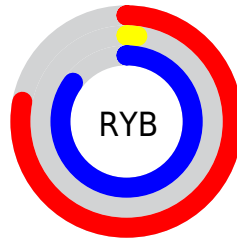
The XYZ color **35.7268, 17.0505, 66.3738** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.9094, 49.2916, 8.3169**, and the grayscale version is **8.7468, 9.2024, 10.0214**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **16.9926, 8.0270, 33.9115** is the 20% darker color. If you saturate the color by 10%, you get **35.5939, 16.9175, 66.3554**, and if you desaturate by 10%, it is **36.5314, 17.9369, 66.5027**.

Distribution



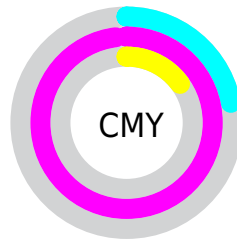
- Red (78%)
- Green (2%)
- Blue (85%)



- Red (78%)
- Yellow (2%)
- Blue (85%)



- Cyan (8%)
- Magenta (98%)
- Yellow (0%)
- Black (15%)





- Cyan (22%)
- Magenta (98%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7268, 17.0505, 66.3738 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 35.7268, 17.0505, 66.3738 by changing the saturation by 10% instead.


 35.7268, 17.0505,
66.3738


 35.7268, 17.0505,
66.3738


319.2170,
235.4632, 466.1532

 24.3924, 10.2705,
48.1175


 67.9368, 38.4126,
115.6548

 15.7513, 5.5787,
33.5593


 89.5431, 53.7635,
147.5166


 9.4380, 2.5906,
22.2806


 115.3042, 72.7401,
184.7506

 5.0874, 0.9220,
13.8630

 145.5852, 95.7268,
227.7754

 2.3339, 0.0000,
7.8878

 180.7517,
123.1081, 277.0095

 0.8119, 0.0000,
3.9365

 221.1689,

 0.0000, 0.0000,

155.2684, 332.8715

1.5906

267.2022,
192.5919, 395.7799

■ 0.0000, 0.0000,
0.2841

■ 0.0000, 0.0000,
0.0000

■ 35.7268, 17.0505,
66.3738

■ 35.7268, 17.0505,
66.3738

■ 35.5939, 16.9175,
66.3554

■ 36.5314, 17.9369,
66.5027

■ 37.6881, 19.5194,
66.7472

■ 39.2781, 21.9599,
67.1345

■ 41.3569, 25.3692,
67.6830

■ 43.9718, 29.8418,
68.4085

■ 47.1642, 35.4606,
69.3247

■ 50.9716, 42.3006,
70.4443

■ 55.4283, 50.4303,
71.7786

■ 60.5660, 59.9131,
73.3382

Harmonies

Analogous

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



24.9881, 17.0505, 114.7230



35.7268, 17.0505, 66.3738



41.3902, 17.0505, 23.4744

Triad

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



35.7268, 17.0505, 66.3738



17.8400, 17.0505, 0.0000



4.7868, 17.0505, 49.6644

Complementary

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



35.7268, 17.0505, 66.3738



24.9094, 49.2916, 8.3169

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.



4.1121, 17.0505, 14.3930



35.7268, 17.0505, 66.3738



9.7683, 17.0505, 0.0000

Square

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



35.7268, 17.0505, 66.3738



28.8265, 17.0505, 0.0000



5.5233, 17.0505, 1.9387



7.9406, 17.0505, 100.1323

Rectangle

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



35.7268, 17.0505, 66.3738



40.3991, 17.0505, 8.2372



5.5233, 17.0505, 1.9387



4.3302, 17.0505, 35.1648

Sweetspot

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



35.7276, 17.0512, 66.3742



73.5516, 60.3766, 102.3850



12.7975, 5.6886, 65.3895



15.2176, 11.9764, 21.7596



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.



35.7276, 17.0512, 66.3742



51.7681, 24.6023, 96.6280



32.4737, 16.3307, 22.9880



12.8442, 12.5766, 15.6881



21.1132, 10.0368, 39.2777



1.3048, 0.6215, 2.3705

Inverse Universe

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



28.5077, 14.7444, 2.1036



41.3815, 21.3166, 2.6750



26.4017, 49.8560, 17.6421



12.4656, 12.4378, 13.1263



16.8447, 8.6742, 1.2202



1.0312, 0.5293, 0.1535

Previews

White Background



This preview shows how the XYZ color 35.7268, 17.0505, 66.3738 looks on a white background.

Color Contrast Check

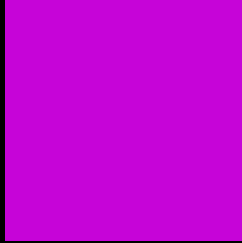
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7268, 17.0505, 66.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

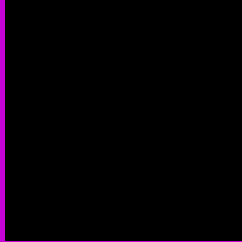
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.7268, 17.0505, 66.3738

Background



This preview shows how black text looks on a background with the XYZ color 35.7268, 17.0505, 66.3738.



This preview shows how white text looks on a background with the XYZ color 35.7268, 17.0505,

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

35.7268, 17.0505, 66.3738

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

18.2966, 17.8041, 58.9721



Tritanopia

24.6653, 17.3196, 11.9405

Trichromacy



Original Color

35.7268, 17.0505, 66.3738



Protanomaly

19.1979, 11.7999, 75.3945



Deuteranomaly

19.2946, 12.5711, 61.0840



Tritanomaly

26.5971, 15.2973, 24.8434

Monochromacy



Original Color

35.7268, 17.0505, 66.3738



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.4002, 9.0338, 23.1750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7268, 17.0505, 66.3738 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(198, 4, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 4, 216)  
}
```

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(198, 4, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 4, 216) }
```

Border

The CSS property to change the border of an element to XYZ 35.7268, 17.0505, 66.3738 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(198, 4, 216) }
```


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

```
.border{ border-color:rgb(198, 4, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 4, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 4, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 4, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 4,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7268, 17.0505, 66.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 4, 216) }
```

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

```
.background{ background-color: rgb(198, 4,  
216) }
```

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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