

Converting Colors

XYZ(34.4816, 14.6377, 72.7799)

Have a look what the booklet for
XYZ(34.4816, 14.6377, 72.7799)
contains.

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Color

**XYZ(35.4657, 16.6975,
73.3052)**

Conversions

Conversions Part 1

Format	Color
Hex	C000E2
RGB	192, 0, 226
RGB Percent	75%, 0%, 89%
CMY	0.2471, 0.9999, 0.1137
CMYK	0.15, 1.00, 0.00, 0.11
HSL	291°, 100%, 44%
HSV	291°, 100%, 89%
XYZ	35.4657, 16.6975, 73.3052
YIQ	83.1720, 41.8860, 110.9900

Conversions

Conversions Part 2

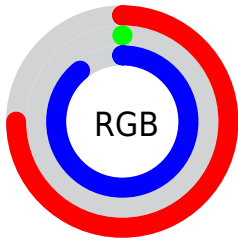
Format	Color
RYB	192, 0, 226
Decimal	12583138
CIELab	47.88, 84.63, -65.16
CIELCh	48, 106.810, 322.409
Yxy	16.6975, 0.2827, 0.1331
Android (android.graphics.Color)	4290773218 (0xFFC000E2)
YUV	83.1720, 70.4142, 95.4422
Hunter-Lab	40.8626, 83.4153, -77.7592

Details

The XYZ color **35.4657, 16.6975, 73.3052** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **27.8569, 54.7334, 9.0970**, and the grayscale version is **8.1150, 8.5377, 9.2975**.

A 20% lighter version of the original color is **62.3852, 35.7569, 98.2215**, and **16.8343, 7.8511, 38.1643** is the 20% darker color. If you saturate the color by 10%, you get **35.4655, 16.6973, 73.3055**, and if you desaturate by 10%, it is **36.6362, 17.7446, 73.4459**.

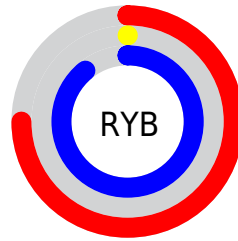
Distribution



Red (75%)

Green (0%)

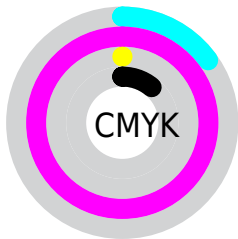
Blue (89%)



Red (75%)

Yellow (0%)

Blue (89%)

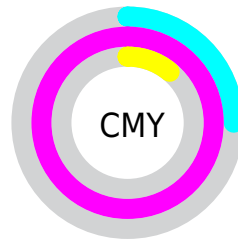


Cyan (15%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (25%)


Magenta (100%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4657, 16.6975, 73.3052 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 35.4657, 16.6975, 73.3052 by changing the saturation by 10% instead.

 35.4657, 16.6975,
73.3052


 35.4657, 16.6975,
73.3052


318.0913,
233.4231, 491.1710


 24.1900, 10.0191,
53.7322


 67.5359, 37.8049,
125.6353


 15.6001, 5.4116,
37.9959

 89.0611, 53.0027,
159.2295

 9.3307, 2.4907,
25.6777


 114.7335, 71.8091,
198.3346

 5.0163, 0.8720,
16.3591

 144.9185, 94.6084,
243.3690

 2.2917, 0.0000,
9.6215

 179.9814,
121.7850, 294.7513

 0.7904, 0.0000,
5.0464

 220.2876,

 0.0000, 0.0000,

153.7234, 352.9000

2.2153

266.2024,
190.8080, 418.2338

■ 0.0000, 0.0000,
0.6832

■ 0.0000, 0.0000,
0.0000

■ 35.4657, 16.6975,
73.3052

■ 35.4657, 16.6975,
73.3052

■ 35.4655, 16.6973,
73.3055

■ 36.6362, 17.7446,
73.4459

■ 38.1751, 19.4997,
73.7036

■ 40.1958, 22.1884,
74.1160

■ 42.7627, 25.9395,
74.7048

■ 45.9302, 30.8616,
75.4879

■ 49.7460, 37.0497,
76.4812

■ 54.2528, 44.5890,
77.6989

■ 59.4895, 53.5575,
79.1540

■ 65.4923, 64.0269,
80.8584

Harmonies

Analogous

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



24.0041, 16.6975, 124.0344



35.4657, 16.6975, 73.3052



42.1213, 16.6975, 26.1023

Triad

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



35.4657, 16.6975, 73.3052



18.4377, 16.6975, 0.0000



4.1869, 16.6975, 46.7197

Complementary

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



35.4657, 16.6975, 73.3052



27.8569, 54.7334, 9.0970

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.



3.7000, 16.6975, 12.0498



35.4657, 16.6975, 73.3052



9.8194, 16.6975, 0.0000

Square

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



35.4657, 16.6975, 73.3052



30.0145, 16.6975, 0.0000



5.2729, 16.6975, 1.2382



7.0593, 16.6975, 100.5574

Rectangle

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



35.4657, 16.6975, 73.3052



41.6067, 16.6975, 9.0183



5.2729, 16.6975, 1.2382



3.8030, 16.6975, 32.0809

Sweetspot

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



35.4665, 16.6982, 73.3056



71.2018, 58.4022, 102.1278



14.4108, 6.8572, 72.5158



14.6791, 11.5555, 21.7067



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.



35.4665, 16.6982, 73.3056



46.5571, 21.9159, 96.3841



36.9238, 18.3930, 30.7435



14.0818, 13.8257, 17.3141



20.3135, 9.5673, 41.8244



1.4637, 0.6919, 2.9016

Inverse Universe

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



31.6534, 16.2849, 2.9898



41.5958, 21.4023, 3.8034



28.4786, 54.9058, 15.8160



13.7909, 13.7340, 14.6688



18.0850, 9.3010, 1.8472



1.2802, 0.6553, 0.2683

Previews

White Background



This preview shows how the XYZ color 35.4657, 16.6975, 73.3052 looks on a white background.

Color Contrast Check

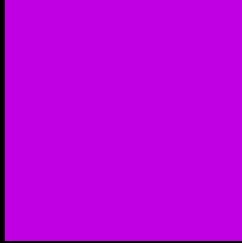
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.4657, 16.6975, 73.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

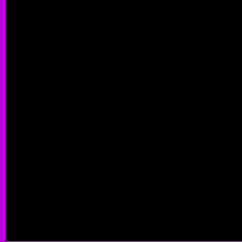
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.4657, 16.6975, 73.3052

Background



This preview shows how black text looks on a background with the XYZ color 35.4657, 16.6975, 73.3052.



This preview shows how white text looks on a background with the XYZ color 35.4657, 16.6975,

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

35.4657, 16.6975, 73.3052

Protanopia

20.6798, 17.3670, 80.8595

Tritanopia

23.3171, 17.0849, 12.8952

Trichromacy



Original Color

35.4657, 16.6975, 73.3052



Protanomaly

19.3445, 11.6348, 77.5701



Tritanomaly

25.4771, 14.7332, 27.4876

Monochromacy



Original Color

35.4657, 16.6975, 73.3052



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.8147, 8.5064, 23.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4657, 16.6975, 73.3052 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(192, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 226)  
}
```

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(192, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 35.4657, 16.6975, 73.3052 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(192, 0, 226) }
```

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

```
.border{ border-color:rgb(192, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(192, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(192, 0,  
226) }
```


Background

The CSS property to change the background color of an element to XYZ 35.4657, 16.6975, 73.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 226) }
```

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

```
.background{ background-color: rgb(192, 0,  
226) }
```

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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