

Converting Colors

XYZ(35.2784, 16.6261, 72.1556)

Have a look what the booklet for
XYZ(35.2784, 16.6261, 72.1556)
contains.

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Color

**XYZ(35.1928, 16.5883,
71.8680)**

Conversions

Conversions Part 1

Format	Color
Hex	C000E0
RGB	192, 0, 224
RGB Percent	75%, 0%, 88%
CMY	0.2471, 0.9999, 0.1216
CMYK	0.14, 1.00, 0.00, 0.12
HSL	291°, 100%, 44%
HSV	291°, 100%, 88%
XYZ	35.1928, 16.5883, 71.8680
YIQ	82.9440, 42.5280, 110.3680

Conversions

Conversions Part 2

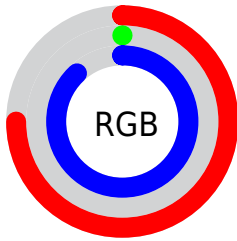
Format	Color
RYB	192, 0, 224
Decimal	12583136
CIELab	47.74, 84.31, -64.24
CIELCh	48, 105.998, 322.693
Yxy	16.5883, 0.2846, 0.1342
Android (android.graphics.Color)	4290773216 (0xFFC000E0)
YUV	82.9440, 69.5406, 95.6421
Hunter-Lab	40.7287, 82.9626, -76.1102

Details

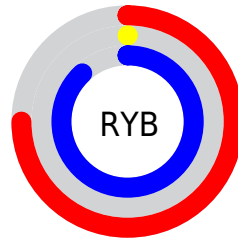
The XYZ color **35.1928, 16.5883, 71.8680** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **27.2520, 53.6189, 8.9137**, and the grayscale version is **8.0704, 8.4907, 9.2464**.

A 20% lighter version of the original color is **62.3852, 35.7569, 98.2215**, and **16.7407, 7.8137, 37.6716** is the 20% darker color. If you saturate the color by 10%, you get **35.1927, 16.5883, 71.8683**, and if you desaturate by 10%, it is **36.3075, 17.6008, 72.0050**.

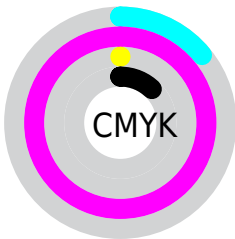
Distribution



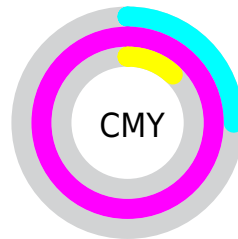
- Red (75%)
- Green (0%)
- Blue (88%)



- Red (75%)
- Yellow (0%)
- Blue (88%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (25%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1928, 16.5883, 71.8680 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 35.1928, 16.5883, 71.8680 by changing the saturation by 10% instead.

 35.1928, 16.5883,
71.8680


 35.1928, 16.5883,
71.8680


316.9116,
232.7886, 486.0472


 23.9786, 9.9414,
52.5647

 67.1164, 37.6166,
123.5748


 15.4424, 5.3601,
37.0700


 88.5565, 52.7667,
156.8154


 9.2188, 2.4601,
24.9655


 114.1361, 71.5200,
195.5388

 4.9424, 0.8565,
15.8326

 144.2203, 94.2610,
240.1636

 2.2479, 0.0000,
9.2527

 179.1746,
121.3739, 291.1083

 0.7678, 0.0000,
4.8073

 219.3644,

 0.0000, 0.0000,

153.2432, 348.7914

2.0779

265.1549,
190.2533, 413.6315

■ 0.0000, 0.0000,
0.6026

■ 0.0000, 0.0000,
0.0000

■ 35.1928, 16.5883,
71.8680

■ 35.1928, 16.5883,
71.8680

■ 35.1927, 16.5883,
71.8683

■ 36.3075, 17.6008,
72.0050

■ 37.7810, 19.3053,
72.2563

■ 39.7244, 21.9233,
72.6592

■ 42.2010, 25.5810,
73.2347

■ 45.2639, 30.3845,
74.0004

■ 48.9597, 36.4268,
74.9719

■ 53.3301, 43.7912,
76.1630

■ 58.4133, 52.5539,
77.5865

■ 64.2445, 62.7853,
79.2540

Harmonies

Analogous

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



23.9072, 16.5883, 121.9213



35.1928, 16.5883, 71.8680



41.6792, 16.5883, 25.5586

Triad

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



35.1928, 16.5883, 71.8680



18.2037, 16.5883, 0.0000



4.2119, 16.5883, 46.6593

Complementary

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



35.1928, 16.5883, 71.8680



27.2520, 53.6189, 8.9137

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.



3.7089, 16.5883, 12.1963



35.1928, 16.5883, 71.8680



9.7221, 16.5883, 0.0000

Square

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



35.1928, 16.5883, 71.8680



29.6159, 16.5883, 0.0000



5.2499, 16.5883, 1.2945



7.0907, 16.5883, 99.6852

Rectangle

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



35.1928, 16.5883, 71.8680



41.1125, 16.5883, 8.8399



5.2499, 16.5883, 1.2945



3.8235, 16.5883, 32.1515

Sweetspot

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



35.1936, 16.5890, 71.8684



71.4030, 58.5060, 102.1372



14.0159, 6.5042, 71.0380



14.7278, 11.5806, 21.7090



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.



35.1936, 16.5890, 71.8684



47.1344, 22.2136, 96.4111



35.8985, 17.9108, 28.5990



14.0925, 13.8312, 17.3146



20.5595, 9.6941, 41.8359



1.4785, 0.6995, 2.9023

Inverse Universe

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



31.0017, 15.9521, 2.8128



41.5650, 21.3900, 3.6416



28.0459, 53.8676, 16.2047



13.7866, 13.7323, 14.6464



18.0701, 9.2951, 1.7692



1.2782, 0.6545, 0.2577

Previews

White Background



This preview shows how the XYZ color 35.1928, 16.5883, 71.8680 looks on a white background.

Color Contrast Check

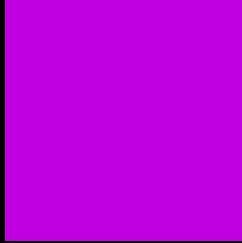
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1928, 16.5883, 71.8680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

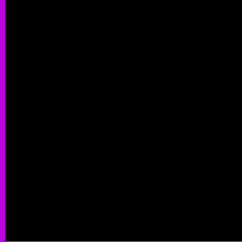
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.1928, 16.5883, 71.8680

Background



This preview shows how black text looks on a background with the XYZ color 35.1928, 16.5883, 71.8680.



This preview shows how white text looks on a background with the XYZ color 35.1928, 16.5883,

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

35.1928, 16.5883, 71.8680

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.6238, 17.2276, 61.4279



Tritanopia

23.1893, 16.9016, 12.6298

Trichromacy



Original Color

35.1928, 16.5883, 71.8680



Protanomaly

19.0620, 11.5217, 76.0822



Deuteranomaly

16.9848, 11.0037, 64.1795



Tritanomaly

25.2779, 14.5752, 26.6803

Monochromacy



Original Color

35.1928, 16.5883, 71.8680



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.7446, 8.4784, 23.4663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1928, 16.5883, 71.8680 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 35.1928, 16.5883, 71.8680 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, 224) }
```


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

```
.border{ border-color:rgb(192, 0, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(192, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1928, 16.5883, 71.8680 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, 224) }
```

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

```
.background{ background-color: rgb(192, 0,  
224) }
```

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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