

Converting Colors

XYZ(33.7480, 15.8372, 72.0839)

Have a look what the booklet for
XYZ(33.7480, 15.8372, 72.0839)
contains.

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Color

**XYZ(33.7042, 15.8209,
71.7983)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00E0
RGB	186, 0, 224
RGB Percent	73%, 0%, 88%
CMY	0.2706, 0.9999, 0.1216
CMYK	0.17, 1.00, 0.00, 0.12
HSL	290°, 100%, 44%
HSV	290°, 100%, 88%
XYZ	33.7042, 15.8209, 71.7983
YIQ	81.1500, 38.9520, 109.0960

Conversions

Conversions Part 2

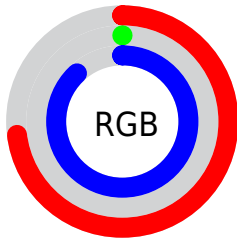
Format	Color
RYB	186, 0, 224
Decimal	12189920
CIELab	46.74, 83.48, -65.91
CIELCh	47, 106.361, 321.708
Yxy	15.8209, 0.2778, 0.1304
Android (android.graphics.Color)	4290380000 (0xFFBA00E0)
YUV	81.1500, 70.4250, 91.9534
Hunter-Lab	39.7755, 81.6468, -79.1809

Details

The XYZ color **33.7042, 15.8209, 71.7983** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **27.4557, 53.7238, 8.9231**, and the grayscale version is **7.7127, 8.1144, 8.8366**.

A 20% lighter version of the original color is **60.1489, 34.4763, 98.0921**, and **15.8203, 7.3392, 37.6286** is the 20% darker color. If you saturate the color by 10%, you get **33.7042, 15.8209, 71.7986**, and if you desaturate by 10%, it is **34.9353, 16.8934, 71.9407**.

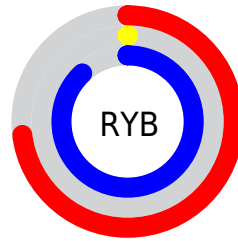
Distribution



Red (73%)

Green (0%)

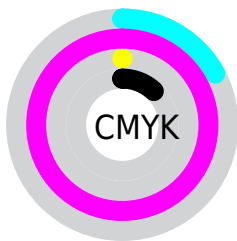
Blue (88%)



Red (73%)

Yellow (0%)

Blue (88%)

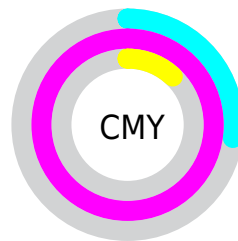


Cyan (17%)

Magenta (100%)

Yellow (0%)

Black (12%)



Cyan (27%)


Magenta (100%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7042, 15.8209, 71.7983 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 33.7042, 15.8209, 71.7983 by changing the saturation by 10% instead.

 33.7042, 15.8209,
71.7983


 33.7042, 15.8209,
71.7983


310.4202,
228.2826, 485.7979


 22.8283, 9.3975,
52.5081


 64.8208, 36.2870,
123.4748

 14.5867, 5.0014,
37.0252


 85.7921, 51.0985,
156.6981


 8.6143, 2.2481,
24.9311


 110.8593, 69.4748,
195.4029

 4.5456, 0.7460,
15.8071

 140.3876, 91.8003,
240.0078

 2.0152, 0.0000,
9.2349

 174.7426,
118.4595, 290.9311

 0.6425, 0.0000,
4.7958

 214.2894,

 0.0000, 0.0000,

149.8366, 348.5916

2.0713

259.3935,
186.3162, 413.4077

■ 0.0000, 0.0000,
0.5986

■ 0.0000, 0.0000,
0.0000

■ 33.7042, 15.8209,
71.7983

■ 33.7042, 15.8209,
71.7983

■ 33.7042, 15.8209,
71.7986

■ 34.9353, 16.8934,
71.9407

■ 36.5321, 18.6613,
72.1978

■ 38.6061, 21.3466,
72.6068

■ 41.2203, 25.0751,
73.1887

■ 44.4280, 29.9532,
73.9612

■ 48.2760, 36.0737,
74.9397

■ 52.8059, 43.5203,
76.1383

■ 58.0561, 52.3690,
77.5696

■ 64.0618, 62.6902,
79.2452

Harmonies

Analogous

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



22.6009, 15.8209, 120.7009



33.7042, 15.8209, 71.7983



40.3147, 15.8209, 25.6435

Triad

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



33.7042, 15.8209, 71.7983



17.7442, 15.8209, 0.0000



3.8426, 15.8209, 43.6851

Complementary

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



33.7042, 15.8209, 71.7983



27.4557, 53.7238, 8.9231

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.



3.4266, 15.8209, 10.8877



33.7042, 15.8209, 71.7983



9.3831, 15.8209, 0.0000

Square

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



33.7042, 15.8209, 71.7983



28.9297, 15.8209, 0.0000



4.9680, 15.8209, 1.0272



6.5044, 15.8209, 95.8049

Rectangle

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



33.7042, 15.8209, 71.7983



39.9614, 15.8209, 8.8356



4.9680, 15.8209, 1.0272



3.4956, 15.8209, 29.7316

Sweetspot

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



33.7050, 15.8215, 71.7987



70.6956, 58.1413, 102.1041



14.2505, 6.9733, 71.1161



14.5567, 11.4924, 21.7010



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.



33.7050, 15.8215, 71.7987



45.1265, 21.1785, 96.3172



36.4964, 18.1500, 31.7478



14.0549, 13.8118, 17.3129



19.7035, 9.2528, 41.7958



1.4269, 0.6729, 2.8999

Inverse Universe

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



31.0908, 15.9877, 3.2822



41.6808, 21.4363, 4.2514



27.7915, 53.7658, 14.8649



13.8016, 13.7383, 14.7256



18.1256, 9.3172, 2.0613



1.2853, 0.6574, 0.2952

Previews

White Background



This preview shows how the XYZ color 33.7042, 15.8209, 71.7983 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 33.7042, 15.8209, 71.7983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

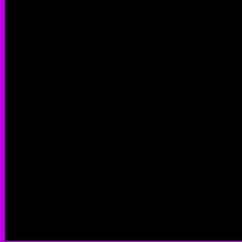
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.7042, 15.8209, 71.7983

Background



This preview shows how black text looks on a background with the XYZ color 33.7042, 15.8209, 71.7983.



This preview shows how white text looks on a background with the XYZ color 33.7042, 15.8209,

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

33.7042, 15.8209, 71.7983

Protanopia

19.6115, 16.5944, 76.2981

Deuteranopia

16.7914, 16.5257, 58.1819



Tritanopia

21.6586, 16.1124, 12.5582

Trichromacy



Original Color

33.7042, 15.8209, 71.7983



Protanomaly

18.3771, 11.0312, 73.8337



Deuteranomaly

16.3993, 10.6472, 62.1635



Tritanomaly

23.9011, 13.8654, 26.6159

Monochromacy



Original Color

33.7042, 15.8209, 71.7983



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0694, 8.0714, 23.0594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7042, 15.8209, 71.7983 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(186, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.7042, 15.8209, 71.7983 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(186, 0, 224) }
```


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

```
.border{ border-color:rgb(186, 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(186, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7042, 15.8209, 71.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 224) }
```

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

```
.background{ background-color: rgb(186, 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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