

Converting Colors

XYZ(32.8748, 15.5045, 66.7353)

Have a look what the booklet for
XYZ(32.8748, 15.5045, 66.7353)
contains.

XYZ(33.0179, 15.5745, 66.9116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0179, 15.5745,
66.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	BB00D9
RGB	187, 0, 217
RGB Percent	73%, 0%, 85%
CMY	0.2667, 0.9999, 0.1490
CMYK	0.14, 1.00, 0.00, 0.15
HSL	292°, 100%, 43%
HSV	292°, 100%, 85%
XYZ	33.0179, 15.5745, 66.9116
YIQ	80.6510, 41.7950, 107.1310

Conversions

Conversions Part 2

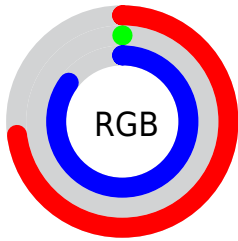
Format	Color
RYB	187, 0, 217
Decimal	12255449
CIELab	46.41, 82.47, -62.43
CIElCh	46, 103.437, 322.874
Yxy	15.5745, 0.2859, 0.1348
Android (android.graphics.Color)	4290445529 (0xFFBB00D9)
YUV	80.6510, 67.2201, 93.2681
Hunter-Lab	39.4645, 80.2786, -72.9002

Details

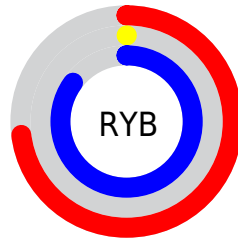
The XYZ color **33.0179, 15.5745, 66.9116** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **25.3488, 49.9022, 8.2965**, and the grayscale version is **7.6208, 8.0177, 8.7313**.

A 20% lighter version of the original color is **60.4176, 34.4888, 98.0804**, and **15.3351, 7.1624, 34.2924** is the 20% darker color. If you saturate the color by 10%, you get **33.0180, 15.5746, 66.9119**, and if you desaturate by 10%, it is **34.0417, 16.5202, 67.0404**.

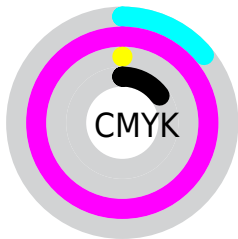
Distribution



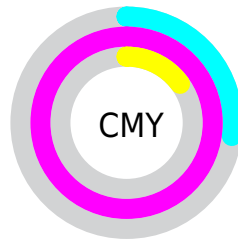
- Red (73%)
- Green (0%)
- Blue (85%)



- Red (73%)
- Yellow (0%)
- Blue (85%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)




- Cyan (27%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0179, 15.5745, 66.9116 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 33.0179, 15.5745, 66.9116 by changing the saturation by 10% instead.


 33.0179, 15.5745,
66.9116


 33.0179, 15.5745,
66.9116


307.3939,
226.8177, 468.1230


 22.2995, 9.2236,
48.5516

 63.7580, 35.8579,
116.4332

 14.1949, 4.8873,
33.9009


 84.5103, 50.5592,
148.4319


 8.3390, 2.1813,
22.5407


 109.3380, 68.8127,
185.8139


 4.3662, 0.7098,
14.0526

 138.6064, 91.0029,
228.9978

 1.9113, 0.0000,
8.0181

 172.6808,
117.5140, 278.4021

 0.5834, 0.0000,
4.0186

 211.9266,

 0.0000, 0.0000,

148.7306, 334.4454

1.6356

256.7092,
185.0370, 397.5462

■ 0.0000, 0.0000,
0.3160

■ 0.0000, 0.0000,
0.0000

■ 33.0179, 15.5745,
66.9116

■ 33.0179, 15.5745,
66.9116

■ 33.0180, 15.5746,
66.9119

■ 34.0417, 16.5202,
67.0404

■ 35.3963, 18.1056,
67.2750

■ 37.1868, 20.5396,
67.6505

■ 39.4714, 23.9386,
68.1861

■ 42.2992, 28.4006,
68.8984

■ 45.7131, 34.0116,
69.8015

■ 49.7519, 40.8488,
70.9083

■ 54.4508, 48.9824,
72.2306

■ 59.8424, 58.4777,
73.7792

Harmonies

Analogous

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



22.4819, 15.5745, 113.7028



33.0179, 15.5745, 66.9116



39.0335, 15.5745, 23.7768

Triad

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



33.0179, 15.5745, 66.9116



17.0240, 15.5745, 0.0000



3.9857, 15.5745, 43.9541

Complementary

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



33.0179, 15.5745, 66.9116



25.3488, 49.9022, 8.2965

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.



3.5019, 15.5745, 11.5861



33.0179, 15.5745, 66.9116



9.1083, 15.5745, 0.0000

Square

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



33.0179, 15.5745, 66.9116



27.6863, 15.5745, 0.0000



4.9359, 15.5745, 1.2547



6.7036, 15.5745, 93.4669

Rectangle

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



33.0179, 15.5745, 66.9116



38.4687, 15.5745, 8.2291



4.9359, 15.5745, 1.2547



3.6168, 15.5745, 30.3542

Sweetspot

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



33.0186, 15.5751, 66.9119



71.5256, 58.5691, 102.1429



13.0564, 6.0734, 66.1301



14.7575, 11.5959, 21.7104



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.



33.0186, 15.5751, 66.9119



47.4885, 22.3961, 96.4277



33.4274, 16.6768, 26.6780



13.4282, 13.1788, 16.4882



20.0542, 9.4625, 40.5079



1.3490, 0.6387, 2.6266

Inverse Universe

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



28.8500, 14.8459, 2.5741



41.5472, 21.3829, 3.5475



26.1162, 50.1472, 15.1330



13.1290, 13.0807, 13.9405



17.4868, 8.9957, 1.6774



1.1570, 0.5924, 0.2356

Previews

White Background



This preview shows how the XYZ color 33.0179, 15.5745, 66.9116 looks on a white background.

Color Contrast Check

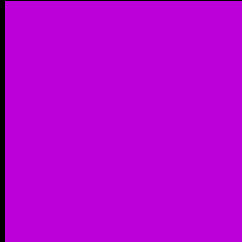
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0179, 15.5745, 66.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

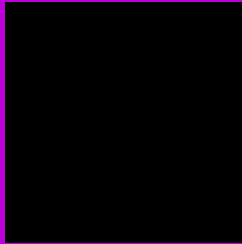
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.0179, 15.5745, 66.9116

Background



This preview shows how black text looks on a background with the XYZ color 33.0179, 15.5745, 66.9116.



This preview shows how white text looks on a background with the XYZ color 33.0179, 15.5745,

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

33.0179, 15.5745, 66.9116

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.5599, 16.2517, 57.5224



Tritanopia

21.9314, 15.9103, 11.8126

Trichromacy



Original Color

33.0179, 15.5745, 66.9116



Protanomaly

17.9666, 10.8670, 71.6716



Deuteranomaly

16.0289, 10.4990, 60.2132



Tritanomaly

23.9660, 13.7916, 25.0658

Monochromacy



Original Color

33.0179, 15.5745, 66.9116



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0030, 8.0608, 21.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0179, 15.5745, 66.9116 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(187, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 217)  
}
```

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(187, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.0179, 15.5745, 66.9116 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(187, 0, 217) }
```


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

```
.border{ border-color:rgb(187, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0179, 15.5745, 66.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 217) }
```

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

```
.background{ background-color: rgb(187, 0,  
217) }
```

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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