

Converting Colors

XYZ(33.4146, 15.8581, 63.3559)

Have a look what the booklet for
XYZ(33.4146, 15.8581, 63.3559)
contains.

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Color

**XYZ(33.3695, 15.8298,
63.5840)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00D4
RGB	191, 0, 212
RGB Percent	75%, 0%, 83%
CMY	0.2510, 0.9999, 0.1686
CMYK	0.10, 1.00, 0.00, 0.17
HSL	294°, 100%, 42%
HSV	294°, 100%, 83%
XYZ	33.3695, 15.8298, 63.5840
YIQ	81.2770, 45.7840, 106.4240

Conversions

Conversions Part 2

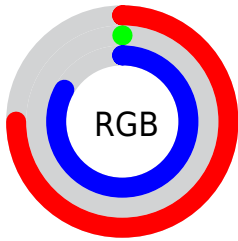
Format	Color
R_{YB}	191, 0, 212
Decimal	12517588
CIE _{Lab}	46.75, 82.25, -58.98
CIE _{LCh}	47, 101.213, 324.357
Yxy	15.8298, 0.2959, 0.1404
Android (android.graphics.Color)	4290707668 (0xFFBF00D4)
YUV	81.2770, 64.4464, 96.2271
Hunter-Lab	39.7867, 80.0831, -66.9020

Details

The XYZ color **33.3695, 15.8298, 63.5840** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **23.8533, 47.2468, 7.8629**, and the grayscale version is **7.7484, 8.1519, 8.8774**.

A 20% lighter version of the original color is **61.9360, 35.3976, 98.1758**, and **15.5165, 7.3058, 32.0448** is the 20% darker color. If you saturate the color by 10%, you get **33.3695, 15.8298, 63.5842**, and if you desaturate by 10%, it is **34.1742, 16.6487, 63.6999**.

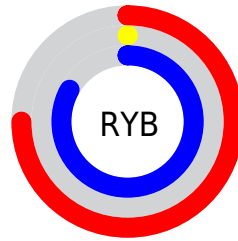
Distribution



Red (75%)

Green (0%)

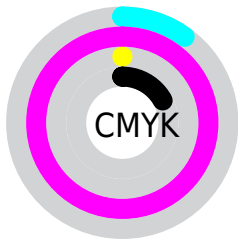
Blue (83%)



Red (75%)

Yellow (0%)

Blue (83%)

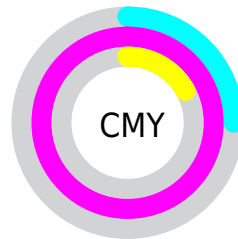


Cyan (10%)

Magenta (100%)

Yellow (0%)

Black (17%)



Cyan (25%)


Magenta (100%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3695, 15.8298, 63.5840 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 33.3695, 15.8298, 63.5840 by changing the saturation by 10% instead.

 33.3695, 15.8298,
63.5840


 33.3695, 15.8298,
63.5840

308.9471,
228.3353, 455.8520


 22.5702, 9.4038,
45.8698


 64.3028, 36.3025,
111.6053


 14.3954, 5.0055,
31.7952


 85.1676, 51.1179,
142.7495


 8.4798, 2.2505,
20.9416


 110.1182, 69.4987,
179.2074

 4.4578, 0.7473,
12.8905

 139.5201, 91.8291,
221.3976

 1.9642, 0.0000,
7.2233

 173.7386,
118.4936, 269.7386

 0.6138, 0.0000,
3.5216

 213.1390,

 0.0000, 0.0000,

149.8765, 324.6490

1.3667

258.0867,
186.3623, 386.5473

■ 0.0000, 0.0000,
0.1156

■ 0.0000, 0.0000,
0.0000

■ 33.3695, 15.8298,
63.5840

■ 33.3695, 15.8298,
63.5840

■ 33.3695, 15.8298,
63.5842

■ 34.1742, 16.6487,
63.6999

■ 35.2845, 18.0683,
63.9154

■ 36.8008, 20.2885,
64.2640

■ 38.7779, 23.4192,
64.7641

■ 41.2622, 27.5526,
65.4310

■ 44.2943, 32.7700,
66.2782

■ 47.9104, 39.1441,
67.3180

■ 52.1439, 46.7415,
68.5613

■ 57.0255, 55.6234,
70.0184

Harmonies

Analogous

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



23.1422, 15.8298, 109.5291



33.3695, 15.8298, 63.5840



38.8909, 15.8298, 22.4433

Triad

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



33.3695, 15.8298, 63.5840



16.7684, 15.8298, 0.0000



4.3080, 15.8298, 45.8736

Complementary

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



33.3695, 15.8298, 63.5840



23.8533, 47.2468, 7.8629

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.



3.7195, 15.8298, 12.9037



33.3695, 15.8298, 63.5840



9.0994, 15.8298, 0.0000

Square

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



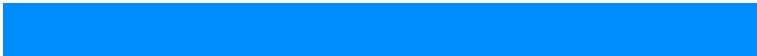
33.3695, 15.8298, 63.5840



27.1907, 15.8298, 0.0000



5.0705, 15.8298, 1.6220



7.1934, 15.8298, 94.0079

Rectangle

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



33.3695, 15.8298, 63.5840



38.0575, 15.8298, 7.8084



5.0705, 15.8298, 1.6220



3.8978, 15.8298, 32.2286

Sweetspot

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



33.3702, 15.8305, 63.5843



72.5769, 59.1111, 102.1921



12.1561, 5.2979, 62.6695



15.0123, 11.7273, 21.7223



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.



33.3702, 15.8305, 63.5843



50.5998, 24.0000, 96.5733



30.9960, 15.5352, 21.5146



12.8262, 12.5673, 15.6872



20.6487, 9.7973, 39.2559



1.2813, 0.6094, 2.3694

Inverse Universe

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



27.2872, 14.0517, 1.9844



41.4183, 21.3313, 2.8688



25.1760, 47.7401, 16.4429



12.4727, 12.4406, 13.1637



16.8625, 8.6813, 1.3141



1.0345, 0.5306, 0.1712

Previews

White Background



This preview shows how the XYZ color 33.3695, 15.8298, 63.5840 looks on a white background.

Color Contrast Check

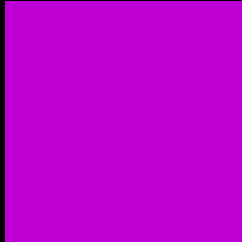
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3695, 15.8298, 63.5840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

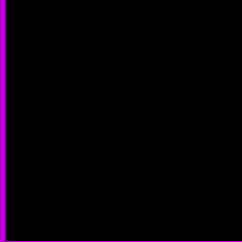
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3695, 15.8298, 63.5840

Background



This preview shows how black text looks on a background with the XYZ color 33.3695, 15.8298, 63.5840.



This preview shows how white text looks on a background with the XYZ color 33.3695, 15.8298,

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

33.3695, 15.8298, 63.5840

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.9858, 16.4982, 56.3221



Tritanopia

22.8009, 16.1379, 11.3644

Trichromacy



Original Color

33.3695, 15.8298, 63.5840



Protanomaly

17.9016, 10.8492, 70.9626



Deuteranomaly

17.5960, 11.3489, 58.3899



Tritanomaly

24.6322, 14.0912, 23.9759

Monochromacy



Original Color

33.3695, 15.8298, 63.5840



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0756, 8.1059, 21.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3695, 15.8298, 63.5840 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(191, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 212)  
}
```

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(191, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.3695, 15.8298, 63.5840 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(191, 0, 212) }
```


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

```
.border{ border-color:rgb(191, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3695, 15.8298, 63.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 212) }
```

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

```
.background{ background-color: rgb(191, 0,  
212) }
```

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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