

Converting Colors

XYZ(32.7031, 15.4914, 63.3258)

Have a look what the booklet for
XYZ(32.7031, 15.4914, 63.3258)
contains.

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Color

**XYZ(32.8699, 15.5723,
63.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00D4
RGB	189, 0, 212
RGB Percent	74%, 0%, 83%
CMY	0.2588, 0.9999, 0.1686
CMYK	0.11, 1.00, 0.00, 0.17
HSL	293°, 100%, 42%
HSV	293°, 100%, 83%
XYZ	32.8699, 15.5723, 63.5607
YIQ	80.6790, 44.5920, 106.0000

Conversions

Conversions Part 2

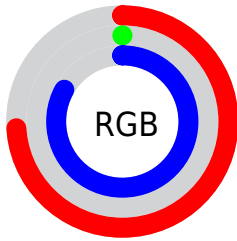
Format	Color
RYB	189, 0, 212
Decimal	12386516
CIELab	46.41, 81.96, -59.55
CIElCh	46, 101.308, 323.998
Yxy	15.5723, 0.2935, 0.1390
Android (android.graphics.Color)	4290576596 (0xFFBD00D4)
YUV	80.6790, 64.7413, 94.9975
Hunter-Lab	39.4618, 79.6246, -67.8747

Details

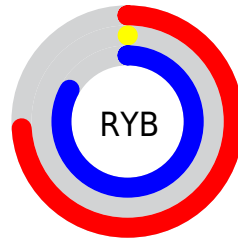
The XYZ color **32.8699, 15.5723, 63.5607** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **23.8975, 47.2696, 7.8650**, and the grayscale version is **7.6313, 8.0287, 8.7433**.

A 20% lighter version of the original color is **60.7731, 34.6721, 98.0970**, and **15.2067, 7.1461, 32.0303** is the 20% darker color. If you saturate the color by 10%, you get **32.8698, 15.5722, 63.5609**, and if you desaturate by 10%, it is **33.7178, 16.4135, 63.6786**.

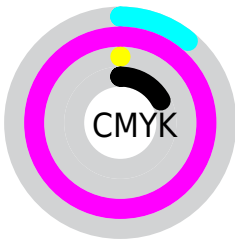
Distribution



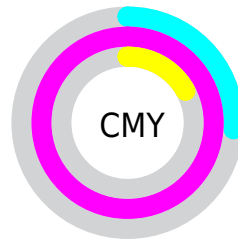
- Red (74%)
- Green (0%)
- Blue (83%)



- Red (74%)
- Yellow (0%)
- Blue (83%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (26%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8699, 15.5723, 63.5607 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 32.8699, 15.5723, 63.5607 by changing the saturation by 10% instead.


 32.8699, 15.5723,
63.5607


 32.8699, 15.5723,
63.5607


306.7385,
226.8045, 455.7654


 22.1856, 9.2220,
45.8511


 63.5284, 35.8541,
111.5714


 14.1107, 4.8863,
31.7805


 84.2333, 50.5544,
142.7095


 8.2799, 2.1807,
20.9305


 109.0090, 68.8068,
179.1609

 4.3279, 0.7094,
12.8824

 138.2210, 90.9957,
221.3441

 1.8892, 0.0000,
7.2179

 172.2346,
117.5056, 269.6776

 0.5706, 0.0000,
3.5182

 211.4151,

 0.0000, 0.0000,

148.7207, 324.5799

1.3649

256.1280,
185.0256, 386.4697

■ 0.0000, 0.0000,
0.1141

■ 0.0000, 0.0000,
0.0000

■ 32.8699, 15.5723,
63.5607

■ 32.8699, 15.5723,
63.5607

■ 32.8698, 15.5722,
63.5609

■ 33.7178, 16.4135,
63.6786

■ 34.8728, 17.8562,
63.8962

■ 36.4353, 20.1003,
64.2470

■ 38.4602, 23.2556,
64.7493

■ 40.9937, 27.4146,
65.4186

■ 44.0765, 32.6583,
66.2682

■ 47.7449, 39.0595,
67.3104

■ 52.0323, 46.6847,
68.5563

■ 56.9694, 55.5953,
70.0160

Harmonies

Analogous

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



22.6972, 15.5723, 109.1295



32.8699, 15.5723, 63.5607



38.4384, 15.5723, 22.4721

Triad

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



32.8699, 15.5723, 63.5607



16.6192, 15.5723, 0.0000



4.1773, 15.5723, 44.8445

Complementary

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



32.8699, 15.5723, 63.5607



23.8975, 47.2696, 7.8650

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.



3.6215, 15.5723, 12.4250



32.8699, 15.5723, 63.5607



8.9883, 15.5723, 0.0000

Square

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



32.8699, 15.5723, 63.5607



26.9672, 15.5723, 0.0000



4.9757, 15.5723, 1.5100



6.9868, 15.5723, 92.7043

Rectangle

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



32.8699, 15.5723, 63.5607



37.6784, 15.5723, 7.8089



4.9757, 15.5723, 1.5100



3.7822, 15.5723, 31.3791

Sweetspot

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



32.8706, 15.5730, 63.5610



72.3221, 58.9798, 102.1802



12.2263, 5.4383, 62.6929



14.9505, 11.6955, 21.7194



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.



32.8706, 15.5730, 63.5610



49.8339, 23.6052, 96.5375



31.2310, 15.6293, 22.7518



12.8141, 12.5611, 15.6867



20.3441, 9.6403, 39.2417



1.2659, 0.6015, 2.3687

Inverse Universe

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



27.3066, 14.0595, 2.0862



41.4456, 21.3423, 3.0128



25.0396, 47.6856, 15.7242



12.4775, 12.4425, 13.1887



16.8756, 8.6865, 1.3828



1.0368, 0.5315, 0.1830

Previews

White Background



This preview shows how the XYZ color 32.8699, 15.5723, 63.5607 looks on a white background.

Color Contrast Check

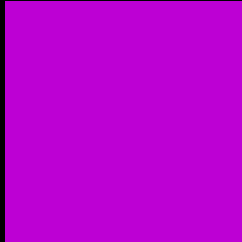
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8699, 15.5723, 63.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

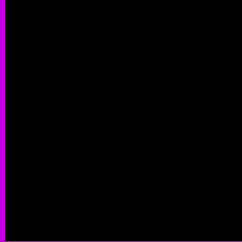
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.8699, 15.5723, 63.5607

Background



This preview shows how black text looks on a background with the XYZ color 32.8699, 15.5723, 63.5607.



This preview shows how white text looks on a background with the XYZ color 32.8699, 15.5723,

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

32.8699, 15.5723, 63.5607

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.8050, 16.4050, 56.3136



Tritanopia

22.3520, 15.9065, 11.3434

Trichromacy



Original Color

32.8699, 15.5723, 63.5607



Protanomaly

17.7672, 10.7954, 70.2545



Deuteranomaly

17.2121, 11.1510, 58.3719



Tritanomaly

24.1666, 13.8511, 23.9541

Monochromacy



Original Color

32.8699, 15.5723, 63.5607



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9362, 8.0340, 21.6378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8699, 15.5723, 63.5607 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(189, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.8699, 15.5723, 63.5607 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(189, 0, 212) }
```


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

```
.border{ border-color:rgb(189, 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(189, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8699, 15.5723, 63.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 212) }
```

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

```
.background{ background-color: rgb(189, 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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