

Converting Colors

XYZ(32.3679, 15.7437, 44.0992)

Have a look what the booklet for
XYZ(32.3679, 15.7437, 44.0992)
contains.

XYZ(32.2241, 15.6722, 43.9745)	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(32.2241, 15.6722,
43.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	C900B3
RGB	201, 0, 179
RGB Percent	79%, 0%, 70%
CMY	0.2118, 0.9999, 0.2980
CMYK	0.00, 1.00, 0.11, 0.21
HSL	307°, 100%, 39%
HSV	307°, 100%, 79%
XYZ	32.2241, 15.6722, 43.9745
YIQ	80.5050, 62.3370, 98.2810

Conversions

Conversions Part 2

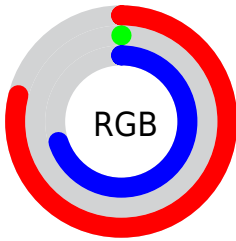
Format	Color
RYB	201, 0, 179
Decimal	13172915
CIELab	46.54, 79.07, -40.00
CIELCh	47, 88.614, 333.163
Yxy	15.6722, 0.3508, 0.1706
Android (android.graphics.Color)	4291362995 (0xFFC900B3)
YUV	80.5050, 48.5580, 105.6741
Hunter-Lab	39.5881, 76.0169, -38.1476

Details

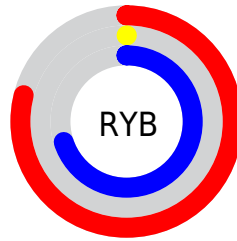
The XYZ color **32.2241, 15.6722, 43.9745** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **21.0324, 41.8320, 7.7265**, and the grayscale version is **7.6265, 8.0237, 8.7378**.

A 20% lighter version of the original color is **59.9765, 34.7403, 82.1417**, and **14.9212, 7.2571, 20.3530** is the 20% darker color. If you saturate the color by 10%, you get **32.2240, 15.6722, 43.9729**, and if you desaturate by 10%, it is **32.7012, 16.2670, 45.2405**.

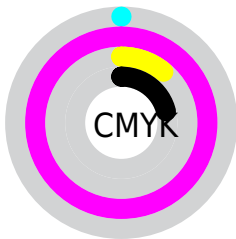
Distribution



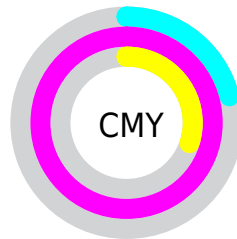
- Red (79%)
- Green (0%)
- Blue (70%)



- Red (79%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (21%)




- Cyan (21%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2241, 15.6722, 43.9745 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 32.2241, 15.6722, 43.9745 by changing the saturation by 10% instead.

 32.2241, 15.6722,
43.9745

 32.2241, 15.6722,
43.9745


303.8660,
227.3996, 378.6425

 21.6891, 9.2925,
30.3134


 62.5251, 36.0282,
82.4814

 13.7440, 4.9325,
19.8225


 83.0217, 50.7733,
108.1644


 8.0233, 2.2077,
12.0833


 107.5697, 69.0756,
138.6917

 4.1618, 0.7242,
6.6772

 136.5343, 91.3195,
174.4819

 1.7941, 0.0000,
3.1857

 170.2809,
117.8895, 215.9535

 0.5141, 0.0000,
1.1902

 209.1748,

 0.0000, 0.0000,

149.1699, 263.5251

0.0000

253.5814,
185.5451, 317.6153

■ 32.2241, 15.6722,
43.9745

■ 32.2241, 15.6722,
43.9745

■ 32.2240, 15.6722,
43.9729

■ 32.7012, 16.2670,
45.2405

■ 33.4433, 17.3864,
46.6122

■ 34.5415, 19.2124,
48.1204

■ 36.0437, 21.8405,
49.7810

■ 37.9904, 25.3520,
51.6076

■ 40.4172, 29.8176,
53.6122

■ 43.3559, 35.3013,
55.8053

■ 46.8357, 41.8615,
58.1970

■ 50.8836, 49.5518,
60.7961

Harmonies

Analogous

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



24.4632, 15.6722, 82.0652



32.2241, 15.6722, 43.9745



34.9041, 15.6722, 14.8465

Triad

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



32.2241, 15.6722, 43.9745



14.1000, 15.6722, 0.0000



5.6724, 15.6722, 51.9739

Complementary

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



32.2241, 15.6722, 43.9745



21.0324, 41.8320, 7.7265

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.



4.5160, 15.6722, 19.4928



32.2241, 15.6722, 43.9745



8.2186, 15.6722, 0.4239

Square

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



32.2241, 15.6722, 43.9745



22.5604, 15.6722, 0.0820



5.2571, 15.6722, 4.2466



9.1998, 15.6722, 88.8589

Rectangle

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



32.2241, 15.6722, 43.9745



32.8943, 15.6722, 5.2889



5.2571, 15.6722, 4.2466



5.0609, 15.6722, 39.5387

Sweetspot

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



32.2247, 15.6730, 43.9748



73.9908, 59.9924, 95.3729



10.8341, 4.3678, 55.5309



15.3567, 11.9419, 20.0628



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.



32.2247, 15.6730, 43.9748



55.1168, 26.8107, 75.0044



25.5515, 13.0037, 8.8340



11.0312, 10.7958, 13.1473



20.2819, 9.8623, 27.7580



0.9750, 0.4728, 1.3916

Inverse Universe

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



32.2247, 15.6730, 43.9748



55.1168, 26.8107, 75.0044



24.3147, 43.1449, 25.0112



11.0312, 10.7958, 13.1473



20.2819, 9.8623, 27.7580



0.9750, 0.4728, 1.3916

Previews

White Background



This preview shows how the XYZ color 32.2241, 15.6722, 43.9745 looks on a white background.

Color Contrast Check

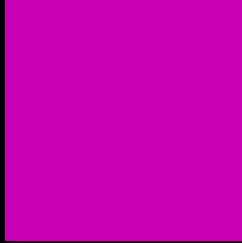
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2241, 15.6722, 43.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

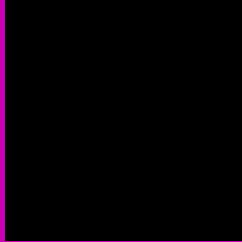
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2241, 15.6722, 43.9745

Background



This preview shows how black text looks on a background with the XYZ color 32.2241, 15.6722, 43.9745.



This preview shows how white text looks on a background with the XYZ color 32.2241, 15.6722,

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

32.2241, 15.6722, 43.9745

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.7925, 16.4417, 39.3343



Tritanopia

24.9460, 15.9647, 8.4233

Trichromacy



Original Color

32.2241, 15.6722, 43.9745



Protanomaly

16.6336, 10.3759, 62.7541



Deuteranomaly

18.6017, 12.0742, 40.3799



Tritanomaly

26.4247, 14.6711, 17.0619

Monochromacy



Original Color

32.2241, 15.6722, 43.9745



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.8963, 8.1003, 17.7134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2241, 15.6722, 43.9745 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(201, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 179)  
}
```

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(201, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 32.2241, 15.6722, 43.9745 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(201, 0, 179) }
```


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

```
.border{ border-color:rgb(201, 0, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2241, 15.6722, 43.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 179) }
```

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

```
.background{ background-color: rgb(201, 0,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor