

Converting Colors

XYZ(33.2065, 16.1592, 44.8972)

Have a look what the booklet for
XYZ(33.2065, 16.1592, 44.8972)
contains.

| | |
|--|----|
| XYZ(33.2423, 16.1736, 45.0858) | 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(33.2423, 16.1736,
45.0858)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CC00B5 |
| RGB | 204, 0, 181 |
| RGB Percent | 80%, 0%, 71% |
| CMY | 0.2000, 0.9999, 0.2902 |
| CMYK | 0.00, 1.00, 0.11, 0.20 |
| HSL | 307°, 100%, 40% |
| HSV | 307°, 100%, 80% |
| XYZ | 33.2423, 16.1736, 45.0858 |
| YIQ | 81.6300, 63.4830, 99.5390 |

Conversions

Conversions Part 2

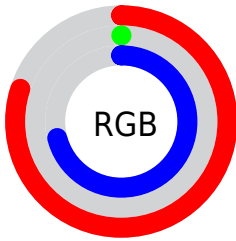
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 204, 0, 181 |
| Decimal | 13369525 |
| CIE _{Lab} | 47.20, 79.86, -40.10 |
| CIE _{LCh} | 47, 89.363, 333.336 |
| Yxy | 16.1736, 0.3518, 0.1711 |
| Android (android.graphics.Color) | 4291559605 (0xFFCC00B5) |
| YUV | 81.6300, 48.9894, 107.3185 |
| Hunter-Lab | 40.2164, 77.1668, -38.3173 |

Details

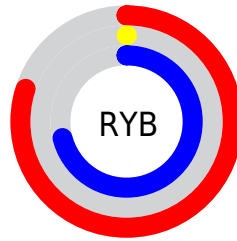
The XYZ color **33.2423, 16.1736, 45.0858** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **21.7484, 43.2483, 8.0139**, and the grayscale version is **7.8467, 8.2554, 8.9901**.

A 20% lighter version of the original color is **60.3532, 35.0287, 83.7010**, and **15.5078, 7.5520, 20.7190** is the 20% darker color. If you saturate the color by 10%, you get **33.2421, 16.1735, 45.0839**, and if you desaturate by 10%, it is **33.7385, 16.7847, 46.4256**.

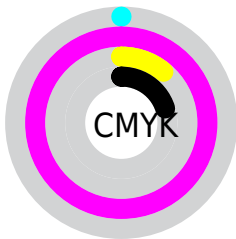
Distribution



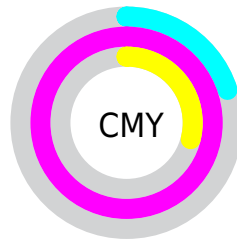
- Red (80%)
- Green (0%)
- Blue (71%)



- Red (80%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2423, 16.1736, 45.0858 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 33.2423, 16.1736, 45.0858 by changing the saturation by 10% instead.

 33.2423, 16.1736,
45.0858


 33.2423, 16.1736,
45.0858


308.3859,
230.3639, 383.2912

 22.4723, 9.6471,
31.1816


 64.1058, 36.8993,
84.1690


 14.3229, 5.1656,
20.4775


 84.9299, 51.8673,
110.1850


 8.4288, 2.3447,
12.5551


 109.8362, 70.4179,
141.0753

 4.4246, 0.7972,
6.9958

 139.1898, 92.9355,
177.2586

 1.9450, 0.0000,
3.3811

 173.3562,
119.8045, 219.1532

 0.6028, 0.0000,
1.2924

 212.7008,

 0.0000, 0.0000,

151.4093, 267.1779

0.0555

257.5889,
188.1343, 321.7510

■ 0.0000, 0.0000,
0.0000

■ 33.2423, 16.1736,
45.0858

■ 33.2423, 16.1736,
45.0858

■ 33.2421, 16.1735,
45.0839

■ 33.7385, 16.7847,
46.4256

■ 34.5098, 17.9401,
47.8763

■ 35.6498, 19.8266,
49.4693

■ 37.2082, 22.5436,
51.2213

■ 39.2270, 26.1751,
53.1463

■ 41.7431, 30.7947,
55.2568

■ 44.7895, 36.4687,
57.5639

■ 48.3967, 43.2575,
60.0776

■ 52.5924, 51.2171,
62.8076

Harmonies

Analogous

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



25.2750, 16.1736, 84.2714



33.2423, 16.1736, 45.0858



35.9606, 16.1736, 15.2073

Triad

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



33.2423, 16.1736, 45.0858



14.5088, 16.1736, 0.0000



5.8810, 16.1736, 53.7627

Complementary

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



33.2423, 16.1736, 45.0858



21.7484, 43.2483, 8.0139

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.



4.6759, 16.1736, 20.2539



33.2423, 16.1736, 45.0858



8.4675, 16.1736, 0.4700

Square

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



33.2423, 16.1736, 45.0858



23.2097, 16.1736, 0.1064



5.4291, 16.1736, 4.4451



9.5340, 16.1736, 91.6362

Rectangle

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



33.2423, 16.1736, 45.0858



33.8670, 16.1736, 5.4194



5.4291, 16.1736, 4.4451



5.2457, 16.1736, 40.9519

Sweetspot

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



33.2429, 16.1744, 45.0861



73.9520, 59.9769, 95.1686



11.1969, 4.5137, 57.4082



15.3472, 11.9381, 20.0132



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.



33.2429, 16.1744, 45.0861



55.0011, 26.7644, 74.3950



26.4110, 13.4416, 9.1097



11.6309, 11.3811, 13.8571



20.9446, 10.1884, 28.4908



1.0964, 0.5320, 1.5535

Inverse Universe

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



33.2429, 16.1744, 45.0861



55.0011, 26.7644, 74.3950



25.1320, 44.6017, 25.8315



11.6309, 11.3811, 13.8571



20.9446, 10.1884, 28.4908



1.0964, 0.5320, 1.5535

Previews

White Background



This preview shows how the XYZ color 33.2423, 16.1736, 45.0858 looks on a white background.

Color Contrast Check

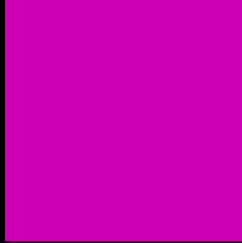
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2423, 16.1736, 45.0858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

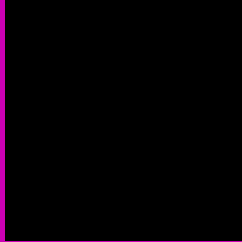
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.2423, 16.1736, 45.0858

Background



This preview shows how black text looks on a background with the XYZ color 33.2423, 16.1736, 45.0858.



This preview shows how white text looks on a background with the XYZ color 33.2423, 16.1736,

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

33.2423, 16.1736, 45.0858

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.2806, 16.8364, 40.3692



Tritanopia

25.7714, 16.4838, 8.4800

Trichromacy



Original Color

33.2423, 16.1736, 45.0858



Protanomaly

17.1518, 10.6912, 64.7779



Deuteranomaly

19.3174, 12.5160, 41.4421



Tritanomaly

27.2644, 15.0974, 17.3967

Monochromacy



Original Color

33.2423, 16.1736, 45.0858



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1022, 8.1996, 18.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2423, 16.1736, 45.0858 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(204, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 181)  
}
```

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(204, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.2423, 16.1736, 45.0858 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(204, 0, 181) }
```


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

```
.border{ border-color:rgb(204, 0, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2423, 16.1736, 45.0858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 181) }
```

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

```
.background{ background-color: rgb(204, 0,  
181) }
```

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