

Converting Colors

XYZ(33.3520, 16.1373, 49.2815)

Have a look what the booklet for
XYZ(33.3520, 16.1373, 49.2815)
contains.

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Color

**XYZ(33.2727, 16.0916,
49.4964)**

Conversions

Conversions Part 1

Format	Color
Hex	C900BD
RGB	201, 0, 189
RGB Percent	79%, 0%, 74%
CMY	0.2118, 0.9999, 0.2588
CMYK	0.00, 1.00, 0.06, 0.21
HSL	304°, 100%, 39%
HSV	304°, 100%, 79%
XYZ	33.2727, 16.0916, 49.4964
YIQ	81.6450, 59.1270, 101.3910

Conversions

Conversions Part 2

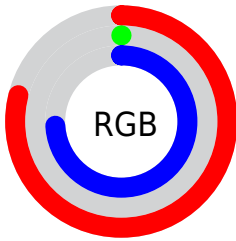
Format	Color
R_{YB}	201, 0, 189
Decimal	13172925
CIE _{Lab}	47.09, 80.43, -45.00
CIE _{LCh}	47, 92.160, 330.774
Yxy	16.0916, 0.3366, 0.1628
Android (android.graphics.Color)	4291363005 (0xFFC900BD)
YUV	81.6450, 52.9260, 104.6743
Hunter-Lab	40.1143, 77.8561, -45.0769

Details

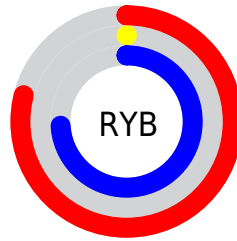
The XYZ color **33.2727, 16.0916, 49.4964** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed rose. A complement of this color would be **20.9538, 41.8006, 7.3127**, and the grayscale version is **7.8419, 8.2503, 8.9846**.

A 20% lighter version of the original color is **61.6156, 35.3960, 90.7734**, and **15.5285, 7.5001, 23.5509** is the 20% darker color. If you saturate the color by 10%, you get **33.2729, 16.0917, 49.4957**, and if you desaturate by 10%, it is **33.6563, 16.6489, 50.2699**.

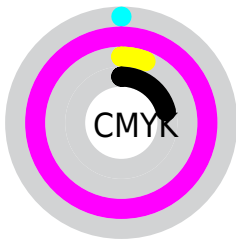
Distribution



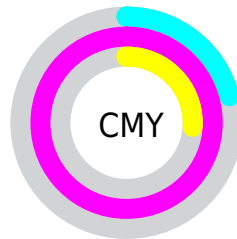
- Red (79%)
- Green (0%)
- Blue (74%)



- Red (79%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2727, 16.0916, 49.4964 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 33.2727, 16.0916, 49.4964 by changing the saturation by 10% instead.

 33.2727, 16.0916,
49.4964


 33.2727, 16.0916,
49.4964


308.5200,
229.8816, 401.3718


 22.4957, 9.5890,
34.6450


 64.1529, 36.7572,
90.8169


 14.3402, 5.1273,
23.1082


 84.9867, 51.6889,
118.1231

 8.4409, 2.3222,
14.4674


 109.9036, 70.1991,
150.4180

 4.4325, 0.7854,
8.3040

 139.2688, 92.6723,
188.1201

 1.9496, 0.0000,
4.1995

 173.4477,
119.4927, 231.6480

 0.6054, 0.0000,
1.7354

 212.8056,

 0.0000, 0.0000,

151.0448, 281.4202

0.3848

257.7079,
187.7130, 337.8553

■ 0.0000, 0.0000,
0.0000

■ 33.2727, 16.0916,
49.4964

■ 33.2727, 16.0916,
49.4964

■ 33.2729, 16.0917,
49.4957

■ 33.6563, 16.6489,
50.2699

■ 34.3023, 17.7298,
51.1360

■ 35.3019, 19.5162,
52.1254

■ 36.7030, 22.1038,
53.2540

■ 38.5461, 25.5737,
54.5353

■ 40.8667, 29.9967,
55.9811

■ 43.6966, 35.4368,
57.6021

■ 47.0651, 41.9522,
59.4080

■ 50.9991, 49.5969,
61.4078

Harmonies

Analogous

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



24.7094, 16.0916, 90.3876



33.2727, 16.0916, 49.4964



36.7051, 16.0916, 16.9260

Triad

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



33.2727, 16.0916, 49.4964



15.0854, 16.0916, 0.0000



5.4474, 16.0916, 51.6090

Complementary

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



33.2727, 16.0916, 49.4964



20.9538, 41.8006, 7.3127

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.



4.4203, 16.0916, 18.1298



33.2727, 16.0916, 49.4964



8.6386, 16.0916, 0.1409

Square

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



33.2727, 16.0916, 49.4964



24.2116, 16.0916, 0.0538



5.3425, 16.0916, 3.5323



8.8897, 16.0916, 92.1965

Rectangle

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



33.2727, 16.0916, 49.4964



34.9252, 16.0916, 5.9972



5.3425, 16.0916, 3.5323



4.8764, 16.0916, 38.5370

Sweetspot

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



33.2733, 16.0924, 49.4967



74.5832, 60.2294, 98.4925



10.6692, 4.2827, 55.5234



15.5006, 11.9995, 20.8206



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.



33.2733, 16.0924, 49.4967



56.9345, 27.5378, 84.5760



25.9533, 13.1644, 10.9501



11.0547, 10.8053, 13.2713



20.9327, 10.1226, 31.1849



0.9997, 0.4827, 1.5214

Inverse Universe

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



33.2733, 16.0924, 49.4967



56.9345, 27.5378, 84.5760



23.7325, 42.9121, 21.9450



11.0547, 10.8053, 13.2713



20.9327, 10.1226, 31.1849



0.9997, 0.4827, 1.5214

Previews

White Background



This preview shows how the XYZ color 33.2727, 16.0916, 49.4964 looks on a white background.

Color Contrast Check

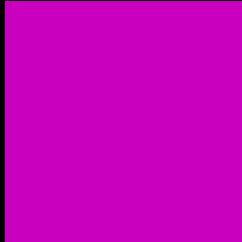
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2727, 16.0916, 49.4964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

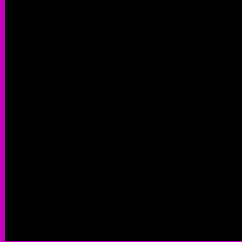
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.2727, 16.0916, 49.4964

Background



This preview shows how black text looks on a background with the XYZ color 33.2727, 16.0916, 49.4964.



This preview shows how white text looks on a background with the XYZ color 33.2727, 16.0916,

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

33.2727, 16.0916, 49.4964

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.3615, 16.9545, 44.4770



Tritanopia

25.0953, 16.4092, 9.2418

Trichromacy



Original Color

33.2727, 16.0916, 49.4964



Protanomaly

17.3325, 10.7547, 66.1281



Deuteranomaly

19.1382, 12.4276, 45.6460



Tritanomaly

26.5944, 14.8343, 18.9144

Monochromacy



Original Color

33.2727, 16.0916, 49.4964



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1366, 8.1964, 18.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2727, 16.0916, 49.4964 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.2727, 16.0916, 49.4964 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, 189) }
```


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

```
.border{ border-color:rgb(201, 0, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2727, 16.0916, 49.4964 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, 189) }
```

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

```
.background{ background-color: rgb(201, 0,  
189) }
```

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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