

Converting Colors

XYZ(32.4142, 16.0905, 29.5105)

Have a look what the booklet for
XYZ(32.4142, 16.0905, 29.5105)
contains.

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Color

**XYZ(32.4967, 16.1352,
29.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	D40094
RGB	212, 0, 148
RGB Percent	83%, 0%, 58%
CMY	0.1686, 0.9998, 0.4196
CMYK	0.00, 1.00, 0.30, 0.17
HSL	318°, 100%, 42%
HSV	318°, 100%, 83%
XYZ	32.4967, 16.1352, 29.4186
YIQ	80.2600, 78.8440, 90.9720

Conversions

Conversions Part 2

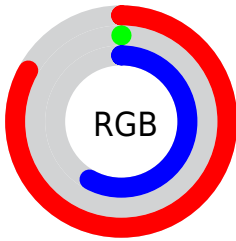
Format	Color
R_{YB}	212, 0, 148
Decimal	13893780
CIE _{Lab}	47.15, 77.42, -20.41
CIE _{LCh}	47, 80.068, 345.229
Yxy	16.1352, 0.4164, 0.2067
Android (android.graphics.Color)	4292083860 (0xFFD40094)
YUV	80.2600, 33.3958, 115.5360
Hunter-Lab	40.1686, 74.1126, -15.3046

Details

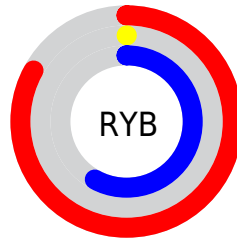
The XYZ color **32.4967, 16.1352, 29.4186** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.4706, 47.4580, 12.7271**, and the grayscale version is **7.6062, 8.0023, 8.7145**.

A 20% lighter version of the original color is **55.6418, 33.0064, 59.3153**, and **15.1066, 7.5385, 11.9681** is the 20% darker color. If you saturate the color by 10%, you get **32.4958, 16.1348, 29.4136**, and if you desaturate by 10%, it is **33.2903, 16.8888, 32.2527**.

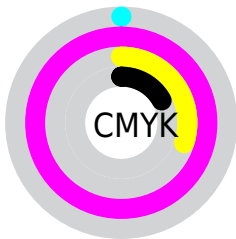
Distribution



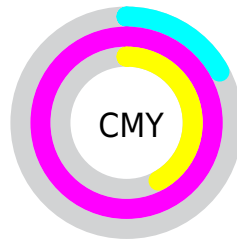
- Red (83%)
- Green (0%)
- Blue (58%)



- Red (83%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4967, 16.1352, 29.4186 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 32.4967, 16.1352, 29.4186 by changing the saturation by 10% instead.

32.4967, 16.1352,
29.4186

32.4967, 16.1352,
29.4186

305.0809,
230.1382, 313.3074

21.8985, 9.6199,
19.1494

62.9489, 36.8328,
59.7916

13.8986, 5.1477,
11.6004

83.5337, 51.7838,
80.7325

8.1314, 2.3342,
6.3530

108.1780, 70.3155,
106.0677

4.2316, 0.7917,
2.9886

137.2473, 92.8123,
136.2158

1.8340, 0.0000,
1.0888

171.1069,
119.6586, 171.5952

0.5380, 0.0000,
0.0000

210.1221,

0.0000, 0.0000,

151.2387, 212.6247

0.0000

254.6584,
187.9371, 259.7225

■ 32.4967, 16.1352,
29.4186

■ 32.4967, 16.1352,
29.4186

■ 32.4958, 16.1348,
29.4136

■ 33.2903, 16.8888,
32.2527

■ 34.4108, 18.2507,
35.3362

■ 35.9586, 20.4210,
38.7046

■ 37.9889, 23.5096,
42.3784

■ 40.5485, 27.6091,
46.3754

■ 43.6783, 32.8006,
50.7109

■ 47.4149, 39.1571,
55.3994

■ 51.7921, 46.7453,
60.4538

■ 56.8409, 55.6266,
65.8864

Harmonies

Analogous

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



27.0894, 16.1352, 61.4419



32.4967, 16.1352, 29.4186



32.4506, 16.1352, 9.2277

Triad

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



32.4967, 16.1352, 29.4186



12.0488, 16.1352, 0.2824



7.6431, 16.1352, 61.9477

Complementary

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



32.4967, 16.1352, 29.4186



24.4706, 47.4580, 12.7271

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.



5.6336, 16.1352, 29.8423



32.4967, 16.1352, 29.4186



7.5951, 16.1352, 1.9685

Square

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



32.4967, 16.1352, 29.4186



19.0516, 16.1352, 0.2708



5.6192, 16.1352, 9.4238



12.1379, 16.1352, 88.0101

Rectangle

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



32.4967, 16.1352, 29.4186



29.2595, 16.1352, 3.3541



5.6192, 16.1352, 9.4238



6.7249, 16.1352, 50.7504

Sweetspot

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



32.4972, 16.1361, 29.4189



71.8115, 59.1207, 83.8970



13.9744, 5.8319, 62.6767



14.8311, 11.7317, 17.2953



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.



32.4972, 16.1361, 29.4189



49.2763, 24.4745, 44.2486



27.5776, 14.1682, 3.5125



12.7859, 12.5658, 14.8127



20.1075, 9.9793, 18.4021



1.2487, 0.6163, 1.2990

Inverse Universe

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



32.4972, 16.1361, 29.4189



49.2763, 24.4745, 44.2486



30.7627, 49.9748, 45.8610



12.7859, 12.5658, 14.8127



20.1075, 9.9793, 18.4021



1.2487, 0.6163, 1.2990

Previews

White Background



This preview shows how the XYZ color 32.4967, 16.1352, 29.4186 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 32.4967, 16.1352, 29.4186 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 32.4967, 16.1352, 29.4186

Background



This preview shows how black text looks on a background with the XYZ color 32.4967, 16.1352, 29.4186.



This preview shows how white text looks on a background with the XYZ color 32.4967, 16.1352,

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

32.4967, 16.1352, 29.4186

Protanopia

19.4289, 17.0962, 63.9039

Deuteranopia

17.0819, 16.7146, 26.3707



Tritanopia

27.8090, 16.4848, 6.1311

Trichromacy



Original Color

32.4967, 16.1352, 29.4186



Protanomaly

18.6665, 11.9192, 48.8938



Deuteranomaly

19.5301, 12.8490, 27.0419



Tritanomaly

28.6498, 15.5233, 11.8422

Monochromacy



Original Color

32.4967, 16.1352, 29.4186



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.6357, 7.9768, 14.2383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4967, 16.1352, 29.4186 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(212, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 148)  
}
```

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(212, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 32.4967, 16.1352, 29.4186 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(212, 0, 148) }
```


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

```
.border{ border-color:rgb(212, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4967, 16.1352, 29.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 148) }
```

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

```
.background{ background-color: rgb(212, 0,  
148) }
```

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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