

Converting Colors

XYZ(33.6479, 16.8443, 24.2471)

Have a look what the booklet for
XYZ(33.6479, 16.8443, 24.2471)
contains.

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Color

**XYZ(33.5866, 16.8093,
24.3960)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0087
RGB	219, 0, 135
RGB Percent	86%, 0%, 53%
CMY	0.1412, 0.9998, 0.4706
CMYK	0.00, 1.00, 0.38, 0.14
HSL	323°, 100%, 43%
HSV	323°, 100%, 86%
XYZ	33.5866, 16.8093, 24.3960
YIQ	80.8710, 87.1890, 88.4130

Conversions

Conversions Part 2

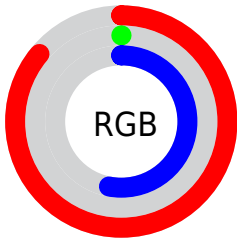
Format	Color
R_{YB}	219, 0, 135
Decimal	14352519
CIE _{Lab}	48.02, 77.55, -11.10
CIE _{LCh}	48, 78.338, 351.857
Yxy	16.8093, 0.4491, 0.2247
Android (android.graphics.Color)	4292542599 (0xFFDB0087)
YUV	80.8710, 26.6856, 121.1391
Hunter-Lab	40.9991, 74.4791, -6.5803

Details

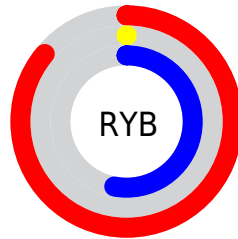
The XYZ color **33.5866, 16.8093, 24.3960** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **26.9339, 51.3041, 16.8791**, and the grayscale version is **7.7372, 8.1401, 8.8646**.

A 20% lighter version of the original color is **54.1442, 32.5451, 51.0051**, and **15.7402, 7.9250, 9.2944** is the 20% darker color. If you saturate the color by 10%, you get **33.5855, 16.8089, 24.3902**, and if you desaturate by 10%, it is **34.4877, 17.6270, 27.7312**.

Distribution



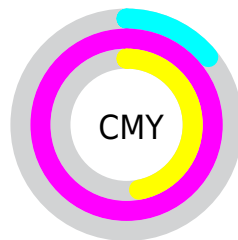
- Red (86%)
- Green (0%)
- Blue (53%)



- Red (86%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5866, 16.8093, 24.3960 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 33.5866, 16.8093, 24.3960 by changing the saturation by 10% instead.


 33.5866, 16.8093,
24.3960


 33.5866, 16.8093,
24.3960


309.9032,
234.0710, 288.1672


 22.7376, 10.0986,
15.4127


 64.6389, 37.9976,
51.6276


 14.5195, 5.4644,
8.9597


 85.5728, 53.2440,
70.7129


 8.5670, 2.5222,
4.6185


 110.5991, 72.1045,
94.0027

 4.5147, 0.8877,
1.9704

 140.0831, 94.9633,
121.9155

 1.9972, 0.0000,
0.5370

 174.3901,
122.2050, 154.8698

 0.6324, 0.0000,
0.0000

 213.8856,

 0.0000, 0.0000,

154.2140, 193.2842

0.0000

258.9348,
191.3745, 237.5771

■ 33.5866, 16.8093,
24.3960

■ 33.5866, 16.8093,
24.3960

■ 33.5855, 16.8089,
24.3902

■ 34.4877, 17.6270,
27.7312

■ 35.7596, 19.1102,
31.4253

■ 37.5097, 21.4716,
35.5193

■ 39.7984, 24.8307,
40.0380

■ 42.6767, 29.2879,
45.0031

■ 46.1895, 34.9317,
50.4341

■ 50.3771, 41.8411,
56.3489

■ 55.2764, 50.0885,
62.7640

■ 60.9215, 59.7408,
69.6951

Harmonies

Analogous

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



29.2454, 16.8093, 54.4634



33.5866, 16.8093, 24.3960



32.2255, 16.8093, 7.2903

Triad

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



33.5866, 16.8093, 24.3960



11.4275, 16.8093, 0.7050



8.9601, 16.8093, 69.2411

Complementary

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



33.5866, 16.8093, 24.3960



26.9339, 51.3041, 16.8791

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.



6.3831, 16.8093, 36.9812



33.5866, 16.8093, 24.3960



7.4868, 16.8093, 3.2427

Square

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



33.5866, 16.8093, 24.3960



17.9827, 16.8093, 0.3665



5.9377, 16.8093, 13.3188



14.1258, 16.8093, 90.3293

Rectangle

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



33.5866, 16.8093, 24.3960



28.4055, 16.8093, 2.6699



5.9377, 16.8093, 13.3188



7.8339, 16.8093, 58.5643

Sweetspot

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



33.5871, 16.8103, 24.3963



70.9398, 58.7720, 79.3066



16.4406, 6.9991, 67.5023



14.6228, 11.6484, 16.1985



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.



33.5871, 16.8103, 24.3963



47.3406, 23.7003, 34.0555



29.3958, 15.1337, 2.3250



13.3917, 13.1858, 15.3237



19.9696, 9.9889, 14.7518



1.3353, 0.6638, 1.1747

Inverse Universe

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



33.5871, 16.8103, 24.3963



47.3406, 23.7003, 34.0555



35.0085, 54.5339, 59.3995



13.3917, 13.1858, 15.3237



19.9696, 9.9889, 14.7518



1.3353, 0.6638, 1.1747

Previews

White Background



This preview shows how the XYZ color 33.5866, 16.8093, 24.3960 looks on a white background.

Color Contrast Check

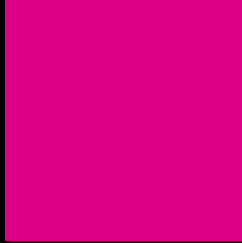
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5866, 16.8093, 24.3960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

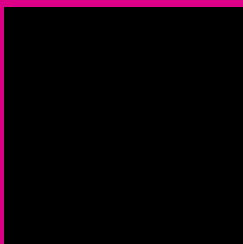
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.5866, 16.8093, 24.3960

Background



This preview shows how black text looks on a background with the XYZ color 33.5866, 16.8093, 24.3960.



This preview shows how white text looks on a background with the XYZ color 33.5866, 16.8093,

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

33.5866, 16.8093, 24.3960

Protanopia

19.0980, 17.4995, 52.8232

Deuteranopia

17.7752, 17.5019, 21.8434



Tritanopia

29.6942, 17.1182, 5.3535

Trichromacy



Original Color

33.5866, 16.8093, 24.3960



Protanomaly

19.2795, 12.5188, 40.4300



Deuteranomaly

20.3804, 13.4888, 22.2983



Tritanomaly

30.4912, 16.3831, 9.9427

Monochromacy



Original Color

33.5866, 16.8093, 24.3960



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9370, 8.2209, 13.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5866, 16.8093, 24.3960 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(219, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 135)  
}
```

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(219, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 33.5866, 16.8093, 24.3960 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(219, 0, 135) }
```


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

```
.border{ border-color:rgb(219, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5866, 16.8093, 24.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 135) }
```

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

```
.background{ background-color: rgb(219, 0,  
135) }
```

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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