

Converting Colors

XYZ(33.9704, 16.9733, 25.9455)

Have a look what the booklet for
XYZ(33.9704, 16.9733, 25.9455)
contains.

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Color

**XYZ(33.8736, 16.9241,
25.9074)**

Conversions

Conversions Part 1

Format	Color
Hex	DB008B
RGB	219, 0, 139
RGB Percent	86%, 0%, 55%
CMY	0.1412, 0.9998, 0.4549
CMYK	0.00, 1.00, 0.37, 0.14
HSL	322°, 100%, 43%
HSV	322°, 100%, 86%
XYZ	33.8736, 16.9241, 25.9074
YIQ	81.3270, 85.9050, 89.6570

Conversions

Conversions Part 2

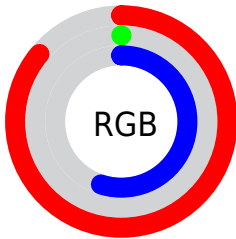
Format	Color
R_{YB}	219, 0, 139
Decimal	14352523
CIE _{Lab}	48.16, 77.93, -13.30
CIE _{LCh}	48, 79.053, 350.311
Yxy	16.9241, 0.4416, 0.2206
Android (android.graphics.Color)	4292542603 (0xFFDB008B)
YUV	81.3270, 28.4328, 120.7392
Hunter-Lab	41.1389, 74.9830, -8.5409

Details

The XYZ color **33.8736, 16.9241, 25.9074** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **26.7815, 51.2431, 16.0768**, and the grayscale version is **7.8238, 8.2313, 8.9638**.

A 20% lighter version of the original color is **54.7800, 32.9390, 53.9227**, and **15.9037, 7.9904, 10.1553** is the 20% darker color. If you saturate the color by 10%, you get **33.8726, 16.9237, 25.9017**, and if you desaturate by 10%, it is **34.7658, 17.7383, 29.1959**.

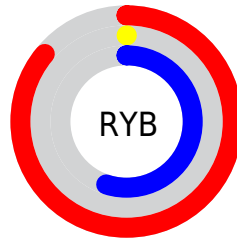
Distribution



Red (86%)

Green (0%)

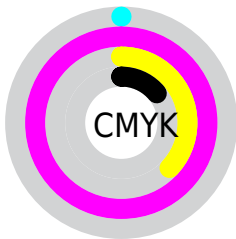
Blue (55%)



Red (86%)

Yellow (0%)

Blue (55%)

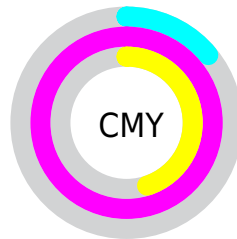


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8736, 16.9241, 25.9074 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 33.8736, 16.9241, 25.9074 by changing the saturation by 10% instead.

 33.8736, 16.9241,
25.9074


 33.8736, 16.9241,
25.9074

311.1639,
234.7346, 295.9182


 22.9589, 10.1804,
16.5292


 65.0827, 38.1952,
54.1078

 14.6837, 5.5187,
9.7410


 86.1078, 53.4914,
73.7671


 8.6826, 2.5547,
5.1242


 111.2337, 72.4073,
97.6905

 4.5902, 0.9040,
2.2603

 140.8259, 95.3271,
126.2965

 2.0411, 0.0000,
0.7089

 175.2497,
122.6354, 160.0038

 0.6569, 0.0000,
0.0000

 214.8703,

 0.0000, 0.0000,

154.7165, 199.2308

0.0000

260.0533,
191.9547, 244.3961

■ 33.8736, 16.9241,
25.9074

■ 33.8736, 16.9241,
25.9074

■ 33.8726, 16.9237,
25.9017

■ 34.7658, 17.7383,
29.1959

■ 36.0249, 19.2163,
32.8221

■ 37.7579, 21.5709,
36.8261

■ 40.0251, 24.9213,
41.2319

■ 42.8775, 29.3682,
46.0606

■ 46.3598, 34.9997,
51.3311

■ 50.5122, 41.8951,
57.0604

■ 55.3714, 50.1264,
63.2645

■ 60.9714, 59.7606,
69.9584

Harmonies

Analogous

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



29.2063, 16.9241, 56.9193



33.8736, 16.9241, 25.9074



32.7993, 16.9241, 7.8350

Triad

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



33.8736, 16.9241, 25.9074



11.7571, 16.9241, 0.6225



8.7871, 16.9241, 68.6072

Complementary

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



33.8736, 16.9241, 25.9074



26.7815, 51.2431, 16.0768

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.



6.3077, 16.9241, 35.8227



33.8736, 16.9241, 25.9074



7.6348, 16.9241, 2.9610

Square

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



33.8736, 16.9241, 25.9074



18.5207, 16.9241, 0.3577



5.9602, 16.9241, 12.5466



13.8743, 16.9241, 91.2378

Rectangle

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



33.8736, 16.9241, 25.9074



29.0632, 16.9241, 2.8648



5.9602, 16.9241, 12.5466



7.6936, 16.9241, 57.6195

Sweetspot

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



33.8741, 16.9251, 25.9077



71.1320, 58.8489, 80.3188



15.8212, 6.6797, 67.4733



14.6687, 11.6667, 16.4398



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.



33.8741, 16.9251, 25.9077



47.7467, 23.8627, 36.1936



29.4868, 15.1701, 2.8044



13.4020, 13.1899, 15.3783



20.1391, 10.0567, 15.6446



1.3456, 0.6679, 1.2288

Inverse Universe

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



33.8741, 16.9251, 25.9077



47.7467, 23.8627, 36.1936



34.2116, 54.2152, 55.2030



13.4020, 13.1899, 15.3783



20.1391, 10.0567, 15.6446



1.3456, 0.6679, 1.2288

Previews

White Background



This preview shows how the XYZ color 33.8736, 16.9241, 25.9074 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 33.8736, 16.9241, 25.9074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

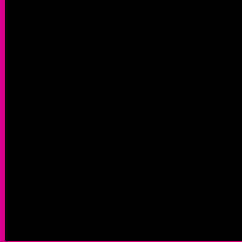
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.8736, 16.9241, 25.9074

Background



This preview shows how black text looks on a background with the XYZ color 33.8736, 16.9241, 25.9074.



This preview shows how white text looks on a background with the XYZ color 33.8736, 16.9241,

25.9074.

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

33.8736, 16.9241, 25.9074

Protanopia

19.5506, 17.8204, 56.4421

Deuteranopia

17.7527, 17.4602, 23.2034



Tritanopia

29.8363, 17.3239, 5.6422

Trichromacy



Original Color

33.8736, 16.9241, 25.9074



Protanomaly

19.5243, 12.6852, 43.0144



Deuteranomaly

20.4556, 13.4963, 23.7172



Tritanomaly

30.6402, 16.4891, 10.5846

Monochromacy



Original Color

33.8736, 16.9241, 25.9074



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9863, 8.2406, 13.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8736, 16.9241, 25.9074 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 139) }
```

Border

The CSS property to change the border of an element to XYZ 33.8736, 16.9241, 25.9074 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, 139) }
```


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

```
.border{ border-color:rgb(219, 0, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8736, 16.9241, 25.9074 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, 139) }
```

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

```
.background{ background-color: rgb(219, 0,  
139) }
```

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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