

Converting Colors

XYZ(33.6196, 16.9224, 20.0560)

Have a look what the booklet for
XYZ(33.6196, 16.9224, 20.0560)
contains.

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Color

**XYZ(33.6371, 16.9347,
19.9082)**

Conversions

Conversions Part 1

Format	Color
Hex	DE007A
RGB	222, 0, 122
RGB Percent	87%, 0%, 48%
CMY	0.1294, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.45, 0.13
HSL	327°, 100%, 44%
HSV	327°, 100%, 87%
XYZ	33.6371, 16.9347, 19.9082
YIQ	80.2860, 93.1500, 85.0060

Conversions

Conversions Part 2

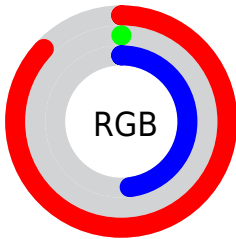
Format	Color
R_{YB}	222, 0, 122
Decimal	14549114
CIE Lab	48.18, 77.04, -2.86
CIE LCh	48, 77.094, 357.871
Yxy	16.9347, 0.4773, 0.2403
Android (android.graphics.Color)	4292739194 (0xFFDE007A)
YUV	80.2860, 20.5650, 124.2832
Hunter-Lab	41.1518, 73.8886, 0.1232

Details

The XYZ color **33.6371, 16.9347, 19.9082** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.4242, 53.1638, 20.8311**, and the grayscale version is **7.6338, 8.0313, 8.7461**.

A 20% lighter version of the original color is **52.7071, 31.9703, 43.4373**, and **15.7332, 7.9680, 7.1873** is the 20% darker color. If you saturate the color by 10%, you get **33.6359, 16.9343, 19.9019**, and if you desaturate by 10%, it is **34.5808, 17.7788, 23.4396**.

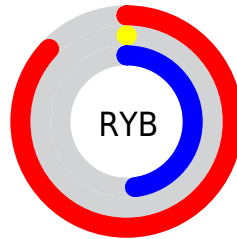
Distribution



Red (87%)

Green (0%)

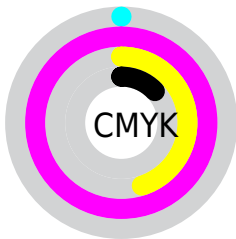
Blue (48%)



Red (87%)

Yellow (0%)

Blue (48%)

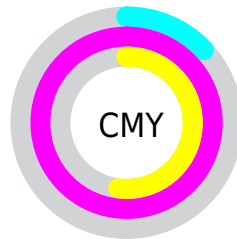


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6371, 16.9347, 19.9082 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 33.6371, 16.9347, 19.9082 by changing the saturation by 10% instead.

 33.6371, 16.9347,
19.9082


 33.6371, 16.9347,
19.9082


310.1253,
234.7958, 264.0055


 22.7765, 10.1879,
12.1449


 64.7170, 38.2135,
44.1202


 14.5484, 5.5237,
6.7187


 85.6670, 53.5143,
61.4059


 8.5873, 2.5577,
3.2110


 110.7108, 72.4352,
82.7029

 4.5279, 0.9055,
1.2034

 140.2139, 95.3607,
108.4297

 2.0049, 0.0000,
0.0000

 174.5415,
122.6751, 139.0048

 0.6367, 0.0000,
0.0000

 214.0591,

 0.0000, 0.0000,

154.7628, 174.8468

0.0000

259.1319,
192.0082, 216.3742

■ 33.6371, 16.9347,
19.9082

■ 33.6371, 16.9347,
19.9082

■ 33.6359, 16.9343,
19.9019

■ 34.5808, 17.7788,
23.4396

■ 35.9243, 19.3173,
27.4280

■ 37.7782, 21.7688,
31.9190

■ 40.2059, 25.2572,
36.9422

■ 43.2607, 29.8869,
42.5234

■ 46.9898, 35.7493,
48.6861

■ 51.4355, 42.9265,
55.4519

■ 56.6363, 51.4937,
62.8411

■ 62.6281, 61.5200,
70.8727

Harmonies

Analogous

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



30.3937, 16.9347, 47.4694



33.6371, 16.9347, 19.9082



31.1639, 16.9347, 5.6530

Triad

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



33.6371, 16.9347, 19.9082



10.5888, 16.9347, 1.0448



9.9473, 16.9347, 74.1230

Complementary

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



33.6371, 16.9347, 19.9082



28.4242, 53.1638, 20.8311

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.



6.8897, 16.9347, 42.9618



33.6371, 16.9347, 19.9082



7.1775, 16.9347, 4.5987

Square

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



33.6371, 16.9347, 19.9082



16.6011, 16.9347, 0.4212



6.0454, 16.9347, 17.0439



15.6011, 16.9347, 89.9928

Rectangle

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



33.6371, 16.9347, 19.9082



26.9160, 16.9347, 2.0813



6.0454, 16.9347, 17.0439



8.6511, 16.9347, 64.3362

Sweetspot

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



33.6376, 16.9357, 19.9085



70.2492, 58.4958, 75.6697



18.4324, 7.9799, 69.6761



14.4587, 11.5827, 15.3340



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.



33.6376, 16.9357, 19.9085



45.9820, 23.1568, 26.9008



30.1859, 15.5550, 1.7324



14.0208, 13.8259, 15.8796



20.0359, 10.0813, 12.1206



1.4337, 0.7168, 1.0769

Inverse Universe

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



33.6376, 16.9357, 19.9085



45.9820, 23.1568, 26.9008



37.8675, 56.9411, 70.5587



14.0208, 13.8259, 15.8796



20.0359, 10.0813, 12.1206



1.4337, 0.7168, 1.0769

Previews

White Background



This preview shows how the XYZ color 33.6371, 16.9347, 19.9082 looks on a white background.

Color Contrast Check

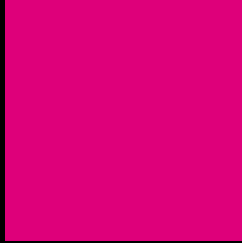
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6371, 16.9347, 19.9082 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 33.6371, 16.9347, 19.9082

Background



This preview shows how black text looks on a background with the XYZ color 33.6371, 16.9347, 19.9082.



This preview shows how white text looks on a background with the XYZ color 33.6371, 16.9347,

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

33.6371, 16.9347, 19.9082

Protanopia

18.5731, 17.6021, 43.4929

Deuteranopia

17.8281, 17.4477, 18.0509



Tritanopia

30.5248, 17.2411, 4.6248

Trichromacy



Original Color

33.6371, 16.9347, 19.9082



Protanomaly

19.3678, 12.8281, 32.9078



Deuteranomaly

20.5099, 13.5540, 18.0582



Tritanomaly

31.0079, 16.5618, 8.3999

Monochromacy



Original Color

33.6371, 16.9347, 19.9082



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.7651, 8.0994, 11.7170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6371, 16.9347, 19.9082 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(222, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 122)  
}
```

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(222, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.6371, 16.9347, 19.9082 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(222, 0, 122) }
```


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

```
.border{ border-color:rgb(222, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6371, 16.9347, 19.9082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 122) }
```

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

```
.background{ background-color: rgb(222, 0,  
122) }
```

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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