

Converting Colors

XYZ(32.3766, 14.6871, 16.9729)

Have a look what the booklet for
XYZ(32.3766, 14.6871, 16.9729)
contains.

XYZ(33.4687, 16.9029, 17.4182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4687, 16.9029,
17.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0072
RGB	223, 0, 114
RGB Percent	87%, 0%, 45%
CMY	0.1255, 0.9998, 0.5529
CMYK	0.00, 1.00, 0.49, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.4687, 16.9029, 17.4182
YIQ	79.6730, 96.3140, 82.7300

Conversions

Conversions Part 2

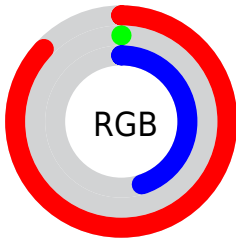
Format	Color
R_{YB}	223, 0, 114
Decimal	14614642
CIE Lab	48.14, 76.62, 2.01
CIE LCh	48, 76.649, 1.504
Yxy	16.9029, 0.4937, 0.2493
Android (android.graphics.Color)	4292804722 (0xFFDF0072)
YUV	79.6730, 16.9232, 125.6978
Hunter-Lab	41.1131, 73.3623, 3.6601

Details

The XYZ color **33.4687, 16.9029, 17.4182** 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 **29.1511, 53.8807, 23.3453**, and the grayscale version is **7.5219, 7.9137, 8.6180**.

A 20% lighter version of the original color is **51.9501, 31.6675, 39.4508**, and **15.7111, 7.9823, 6.0229** is the 20% darker color. If you saturate the color by 10%, you get **33.4672, 16.9023, 17.4111**, and if you desaturate by 10%, it is **34.4204, 17.7534, 20.9820**.

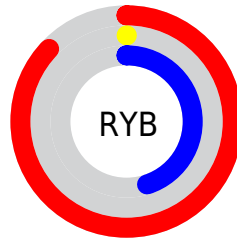
Distribution



Red (87%)

Green (0%)

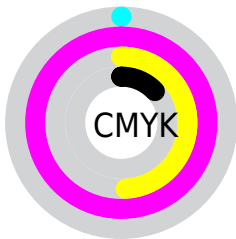
Blue (45%)



Red (87%)

Yellow (0%)

Blue (45%)

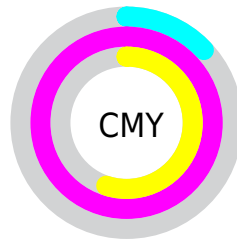


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4687, 16.9029, 17.4182 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 33.4687, 16.9029, 17.4182 by changing the saturation by 10% instead.


 33.4687, 16.9029,
17.4182


 33.4687, 16.9029,
17.4182


309.3842,
234.6122, 249.6960


 22.6467, 10.1653,
10.3680


 64.4564, 38.1588,
39.8439

 14.4521, 5.5087,
5.5348


 85.3528, 53.4458,
56.0564


 8.5196, 2.5487,
2.5002


 110.3380, 72.3514,
76.1602

 4.4838, 0.9009,
0.8403

 139.7774, 95.2600,
100.5737

 1.9793, 0.0000,
0.0000

 174.0364,
122.5560, 129.7155

 0.6223, 0.0000,
0.0000

 213.4803,

 0.0000, 0.0000,

154.6238, 164.0041

0.0000

258.4745,
191.8477, 203.8581

■ 33.4687, 16.9029,
17.4182

■ 33.4687, 16.9029,
17.4182

■ 33.4672, 16.9023,
17.4111

■ 34.4204, 17.7534,
20.9820

■ 35.7865, 19.3101,
25.0610

■ 37.6790, 21.7936,
29.7042

■ 40.1625, 25.3294,
34.9442

■ 43.2916, 30.0233,
40.8097

■ 47.1142, 35.9679,
47.3272

■ 51.6737, 43.2464,
54.5208

■ 57.0096, 51.9350,
62.4133

■ 63.1585, 62.1038,
71.0261

Harmonies

Analogous

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



30.9039, 16.9029, 43.3673



33.4687, 16.9029, 17.4182



30.3647, 16.9029, 4.7749

Triad

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



33.4687, 16.9029, 17.4182



10.0456, 16.9029, 1.2594



10.4963, 16.9029, 76.6881

Complementary

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



33.4687, 16.9029, 17.4182



29.1511, 53.8807, 23.3453

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.



7.1534, 16.9029, 46.5212



33.4687, 16.9029, 17.4182



6.9508, 16.9029, 5.5180

Square

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



33.4687, 16.9029, 17.4182



15.7176, 16.9029, 0.4455



6.0676, 16.9029, 19.4271



16.4189, 16.9029, 89.2938

Rectangle

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



33.4687, 16.9029, 17.4182



25.9018, 16.9029, 1.7625



6.0676, 16.9029, 19.4271



9.1007, 16.9029, 67.5444

Sweetspot

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



33.4691, 16.9039, 17.4185



69.8626, 58.3411, 73.6341



19.4809, 8.5049, 70.4267



14.3671, 11.5461, 14.8521



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.



33.4691, 16.9039, 17.4185



45.2916, 22.8806, 23.2653



30.4525, 15.6972, 1.5330



13.9982, 13.8169, 15.7605



19.7356, 9.9613, 10.5395



1.4132, 0.7085, 0.9686

Inverse Universe

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



33.4691, 16.9039, 17.4185



45.2916, 22.8806, 23.2653



39.2118, 57.9049, 76.3240



13.9982, 13.8169, 15.7605



19.7356, 9.9613, 10.5395



1.4132, 0.7085, 0.9686

Previews

White Background



This preview shows how the XYZ color 33.4687, 16.9029, 17.4182 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 33.4687, 16.9029, 17.4182 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 33.4687, 16.9029, 17.4182

Background



This preview shows how black text looks on a background with the XYZ color 33.4687, 16.9029, 17.4182.



This preview shows how white text looks on a background with the XYZ color 33.4687, 16.9029,

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

33.4687, 16.9029, 17.4182

Protanopia

18.2891, 17.7448, 38.0585

Deuteranopia

17.8597, 17.5138, 15.8038



Tritanopia

30.9272, 17.2819, 4.1883

Trichromacy



Original Color

33.4687, 16.9029, 17.4182

Protanomaly

19.2479, 12.8602, 28.6619

Deuteranomaly

20.4771, 13.5885, 15.7309

Tritanomaly

31.3636, 16.6931, 7.3634

Monochromacy



Original Color

33.4687, 16.9029, 17.4182

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.6313, 8.0459, 11.0125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4687, 16.9029, 17.4182 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(223, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 114)  
}
```

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(223, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.4687, 16.9029, 17.4182 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(223, 0, 114) }
```


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

```
.border{ border-color:rgb(223, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4687, 16.9029, 17.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 114) }
```

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

```
.background{ background-color: rgb(223, 0,  
114) }
```

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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