

Converting Colors

XYZ(34.0137, 17.1709, 18.0271)

Have a look what the booklet for
XYZ(34.0137, 17.1709, 18.0271)
contains.

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Color

**XYZ(33.8929, 17.1082,
18.0389)**

Conversions

Conversions Part 1

Format	Color
Hex	E00074
RGB	224, 0, 116
RGB Percent	88%, 0%, 45%
CMY	0.1216, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.48, 0.12
HSL	329°, 100%, 44%
HSV	329°, 100%, 88%
XYZ	33.8929, 17.1082, 18.0389
YIQ	80.2000, 96.2680, 83.5640

Conversions

Conversions Part 2

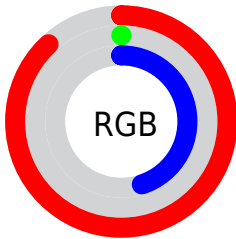
Format	Color
R_{YB}	224, 0, 116
Decimal	14680180
CIE _{Lab}	48.40, 76.99, 1.18
CIE _{LCh}	48, 77.003, 0.880
Yxy	17.1082, 0.4909, 0.2478
Android (android.graphics.Color)	4292870260 (0xFFE00074)
YUV	80.2000, 17.6494, 126.1126
Hunter-Lab	41.3621, 73.8829, 3.0958

Details

The XYZ color **33.8929, 17.1082, 18.0389** 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 **29.3653, 54.3952, 23.1512**, and the grayscale version is **7.6222, 8.0192, 8.7329**.

A 20% lighter version of the original color is **52.2222, 31.9159, 40.4537**, and **15.9437, 8.0987, 6.1917** is the 20% darker color. If you saturate the color by 10%, you get **33.8916, 17.1078, 18.0325**, and if you desaturate by 10%, it is **34.8538, 17.9654, 21.6419**.

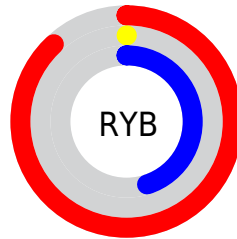
Distribution



Red (88%)

Green (0%)

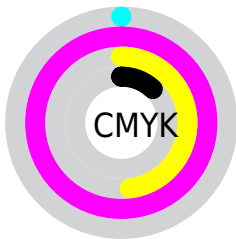
Blue (45%)



Red (88%)

Yellow (0%)

Blue (45%)

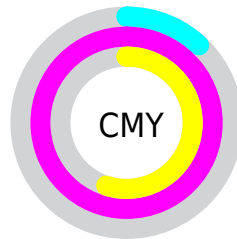


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8929, 17.1082, 18.0389 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 33.8929, 17.1082, 18.0389 by changing the saturation by 10% instead.


 33.8929, 17.1082,
18.0389


 33.8929, 17.1082,
18.0389


311.2486,
235.7951, 253.3337


 22.9738, 10.3117,
10.8082


 65.1125, 38.5117,
40.9184


 14.6948, 5.6061,
5.8255


 86.1437, 53.8875,
57.4043


 8.6904, 2.6071,
2.6722


 111.2764, 72.8918,
77.8124

 4.5953, 0.9302,
0.9294

 140.8758, 95.9090,
102.5611

 2.0441, 0.0000,
0.0000

 175.3074,
123.3236, 132.0691

 0.6586, 0.0000,
0.0000

 214.9365,

 0.0000, 0.0000,

155.5199, 166.7548

0.0000

260.1284,
192.8822, 207.0368

■ 33.8929, 17.1082,
18.0389

■ 33.8929, 17.1082,
18.0389

■ 33.8916, 17.1078,
18.0325

■ 34.8538, 17.9654,
21.6419

■ 36.2318, 19.5358,
25.7561

■ 38.1397, 22.0417,
30.4303

■ 40.6428, 25.6102,
35.6971

■ 43.7963, 30.3481,
41.5851

■ 47.6484, 36.3491,
48.1203

■ 52.2429, 43.6973,
55.3268

■ 57.6197, 52.4696,
63.2272

■ 63.8157, 62.7369,
71.8428

Harmonies

Analogous

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



31.1802, 17.1082, 44.5709



33.8929, 17.1082, 18.0389



30.8604, 17.1082, 4.9763

Triad

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



33.8929, 17.1082, 18.0389



10.2571, 17.1082, 1.2353



10.5242, 17.1082, 77.1448

Complementary

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



33.8929, 17.1082, 18.0389



29.3653, 54.3952, 23.1512

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.



7.1920, 17.1082, 46.4412



33.8929, 17.1082, 18.0389



7.0720, 17.1082, 5.4164

Square

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



33.8929, 17.1082, 18.0389



16.0538, 17.1082, 0.4508



6.1357, 17.1082, 19.2296



16.4696, 17.1082, 90.4674

Rectangle

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



33.8929, 17.1082, 18.0389



26.3813, 17.1082, 1.8361



6.1357, 17.1082, 19.2296



9.1295, 17.1082, 67.7789

Sweetspot

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



33.8934, 17.1092, 18.0392



69.9292, 58.3678, 73.9849



19.2288, 8.3593, 71.1210



14.3829, 11.5524, 14.9350



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.



33.8934, 17.1092, 18.0392



45.4069, 22.9268, 23.8726



30.7821, 15.8647, 1.6554



14.0021, 13.8185, 15.7811



19.7859, 9.9813, 10.8040



1.4166, 0.7099, 0.9869

Inverse Universe

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



33.8934, 17.1092, 18.0392



45.4069, 22.9268, 23.8726



39.1201, 58.2972, 74.5195



14.0021, 13.8185, 15.7811



19.7859, 9.9813, 10.8040



1.4166, 0.7099, 0.9869

Previews

White Background



This preview shows how the XYZ color 33.8929, 17.1082, 18.0389 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 33.8929, 17.1082, 18.0389 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 33.8929, 17.1082, 18.0389

Background



This preview shows how black text looks on a background with the XYZ color 33.8929, 17.1082, 18.0389.



This preview shows how white text looks on a background with the XYZ color 33.8929, 17.1082,

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

33.8929, 17.1082, 18.0389

Protanopia

18.3613, 17.7608, 39.0197

Deuteranopia

18.0747, 17.7773, 16.3886



Tritanopia

31.2889, 17.5234, 4.3180

Trichromacy



Original Color

33.8929, 17.1082, 18.0389

Protanomaly

19.4049, 12.9229, 29.4886

Deuteranomaly

20.6489, 13.7599, 16.3195

Tritanomaly

31.7009, 16.8633, 7.5453

Monochromacy



Original Color

33.8929, 17.1082, 18.0389

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.6753, 8.0635, 11.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8929, 17.1082, 18.0389 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(224, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 116)  
}
```

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(224, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.8929, 17.1082, 18.0389 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(224, 0, 116) }
```


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

```
.border{ border-color:rgb(224, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8929, 17.1082, 18.0389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 116) }
```

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

```
.background{ background-color: rgb(224, 0,  
116) }
```

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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