

# Converting Colors

XYZ(34.0942, 17.2031, 18.4512)

Have a look what the booklet for  
XYZ(34.0942, 17.2031, 18.4512)  
contains.

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# Color

**XYZ(33.9514, 17.1316,  
18.3469)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E00075
RGB	224, 0, 117
RGB Percent	88%, 0%, 46%
CMY	0.1216, 0.9998, 0.5412
CMYK	0.00, 1.00, 0.48, 0.12
HSL	329°, 100%, 44%
HSV	329°, 100%, 88%
XYZ	33.9514, 17.1316, 18.3469
YIQ	80.3140, 95.9470, 83.8750

# Conversions

## Conversions Part 2

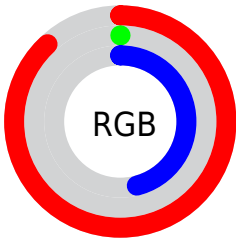
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 0, 117
Decimal	14680181
CIE <sub>Lab</sub>	48.43, 77.07, 0.61
CIE <sub>LCh</sub>	48, 77.074, 0.455
Yxy	17.1316, 0.4890, 0.2467
Android (android.graphics.Color)	4292870261 (0xFFE00075)
YUV	80.3140, 18.0862, 126.0126
Hunter-Lab	41.3903, 73.9857, 2.6920

# Details

The XYZ color **33.9514, 17.1316, 18.3469** 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 **29.3124, 54.3741, 22.8724**, and the grayscale version is **7.6436, 8.0417, 8.7574**.

A 20% lighter version of the original color is **52.3158, 31.9533, 40.9464**, and **15.9745, 8.1111, 6.3539** is the 20% darker color. If you saturate the color by 10%, you get **33.9501, 17.1312, 18.3405**, and if you desaturate by 10%, it is **34.9127, 17.9889, 21.9516**.

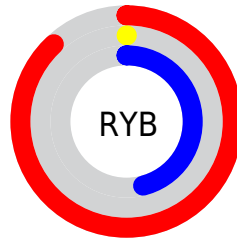
# Distribution



Red (88%)

Green (0%)

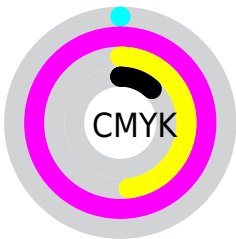
Blue (46%)



Red (88%)

Yellow (0%)

Blue (46%)

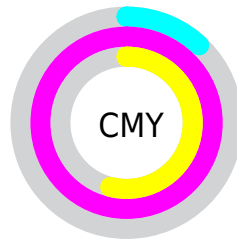


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (12%)



Cyan (12%)

Magenta (100%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9514, 17.1316, 18.3469 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 33.9514, 17.1316, 18.3469 by changing the saturation by 10% instead.





 33.9514, 17.1316,  
18.3469

 33.9514, 17.1316,  
18.3469


311.5050,  
235.9296, 255.1206


 23.0190, 10.3284,  
11.0273


 65.2029, 38.5519,  
41.4494

 14.7283, 5.6172,  
5.9708


 86.2526, 53.9378,  
58.0695


 8.7140, 2.6137,  
2.7588


 111.4056, 72.9533,  
78.6268

 4.6107, 0.9336,  
0.9729

 141.0270, 95.9829,  
103.5398

 2.0531, 0.0000,  
0.0000

 175.4823,  
123.4109, 133.2272

 0.6635, 0.0000,  
0.0000

 215.1369,

 0.0000, 0.0000,

155.6218, 168.1074

0.0000

260.3560,  
192.9999, 208.5990

■ 33.9514, 17.1316,  
18.3469

■ 33.9514, 17.1316,  
18.3469

■ 33.9501, 17.1312,  
18.3405

■ 34.9127, 17.9889,  
21.9516

■ 36.2897, 19.5589,  
26.0611

■ 38.1955, 22.0640,  
30.7240

■ 40.6951, 25.6311,  
35.9724

■ 43.8436, 30.3670,  
41.8346

■ 47.6894, 36.3655,  
48.3363

■ 52.2761, 43.7105,  
55.5015

■ 57.6435, 52.4790,  
63.3522

■ 63.8284, 62.7419,  
71.9096

# Harmonies

## Analogous

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



31.1552, 17.1316, 45.0987



33.9514, 17.1316, 18.3469



30.9896, 17.1316, 5.0828

# Triad

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



33.9514, 17.1316, 18.3469



10.3325, 17.1316, 1.2106



10.4708, 17.1316, 76.9271

# Complementary

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



33.9514, 17.1316, 18.3469



29.3124, 54.3741, 22.8724

# 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.



7.1690, 17.1316, 46.0671



33.9514, 17.1316, 18.3469



7.1069, 17.1316, 5.3105

# Square

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



33.9514, 17.1316, 18.3469



16.1757, 17.1316, 0.4489



6.1402, 17.1316, 18.9633



16.3909, 17.1316, 90.6523



# Rectangle

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



33.9514, 17.1316, 18.3469



26.5305, 17.1316, 1.8748



6.1402, 17.1316, 18.9633



9.0865, 17.1316, 67.4731

# Sweetspot

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



33.9519, 17.1326, 18.3472



69.9740, 58.3857, 74.2207



19.2288, 8.3593, 71.1211



14.3935, 11.5566, 14.9908



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.



33.9519, 17.1326, 18.3472



45.4853, 22.9581, 24.2853



30.7821, 15.8647, 1.6554



14.0047, 13.8195, 15.7950



19.8200, 9.9950, 10.9837



1.4190, 0.7109, 0.9993



# Inverse Universe

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



33.9519, 17.1326, 18.3472



45.4853, 22.9581, 24.2853



39.1202, 58.2972, 74.5195



14.0047, 13.8195, 15.7950



19.8200, 9.9950, 10.9837



1.4190, 0.7109, 0.9993



# Previews

## White Background



This preview shows how the XYZ color 33.9514, 17.1316, 18.3469 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 33.9514, 17.1316, 18.3469 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 33.9514, 17.1316, 18.3469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9514, 17.1316, 18.3469.



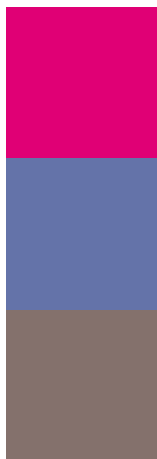
This preview shows how white text looks on a background with the XYZ color 33.9514, 17.1316,



# 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

33.9514, 17.1316, 18.3469

### Protanopia

18.5477, 17.8354, 40.0011

### Deuteranopia

18.1276, 17.7985, 16.6674



## Tritanopia

31.3089, 17.5314, 4.4231

# Trichromacy



## Original Color

33.9514, 17.1316, 18.3469



## Protanomaly

19.5646, 12.9868, 30.3297



## Deuteranomaly

20.7037, 13.7818, 16.6079



## Tritanomaly

31.7333, 16.8762, 7.7158

# Monochromacy



## Original Color

33.9514, 17.1316, 18.3469



## 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 33.9514, 17.1316, 18.3469 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9514, 17.1316, 18.3469 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, 117) }
```



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

```
.border{ border-color:rgb(224, 0, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9514, 17.1316, 18.3469 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, 117) }
```

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

```
.background{ background-color: rgb(224, 0,  
117) }
```

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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