

# Converting Colors

XYZ(34.4119, 17.4224, 15.9587)

Have a look what the booklet for  
XYZ(34.4119, 17.4224, 15.9587)  
contains.

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# Color

**XYZ(34.4389, 17.4350,  
16.0182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3006D
RGB	227, 0, 109
RGB Percent	89%, 0%, 43%
CMY	0.1098, 0.9998, 0.5725
CMYK	0.00, 1.00, 0.52, 0.11
HSL	331°, 100%, 45%
HSV	331°, 100%, 89%
XYZ	34.4389, 17.4350, 16.0182
YIQ	80.2990, 100.3030, 82.0230

# Conversions

## Conversions Part 2

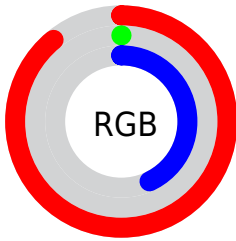
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 0, 109
Decimal	14876781
CIE <sub>Lab</sub>	48.80, 77.13, 6.15
CIE <sub>LCh</sub>	49, 77.376, 4.559
Yxy	17.4350, 0.5073, 0.2568
Android (android.graphics.Color)	4293066861 (0xFFE3006D)
YUV	80.2990, 14.1496, 128.6568
Hunter-Lab	41.7552, 74.1516, 6.4838

# Details

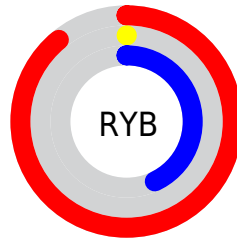
The XYZ color **34.4389, 17.4350, 16.0182** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.7425, 56.2475, 26.3911**, and the grayscale version is **7.6480, 8.0463, 8.7624**.

A 20% lighter version of the original color is **51.4995, 31.6268, 36.6480**, and **16.1793, 8.2403, 5.2952** is the 20% darker color. If you saturate the color by 10%, you get **34.4375, 17.4344, 16.0111**, and if you desaturate by 10%, it is **35.4190, 18.3094, 19.6931**.

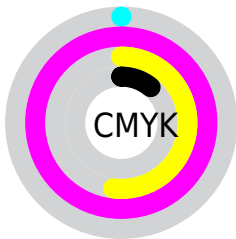
# Distribution



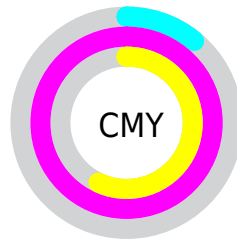
- Red (89%)
- Green (0%)
- Blue (43%)



- Red (89%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4389, 17.4350, 16.0182 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 34.4389, 17.4350, 16.0182 by changing the saturation by 10% instead.





 34.4389, 17.4350,  
16.0182


 34.4389, 17.4350,  
16.0182


313.6363,  
237.6668, 241.2985


 23.3955, 10.5451,  
9.3825


 65.9554, 39.0722,  
37.3970


 15.0081, 5.7619,  
4.8913


 87.1591, 54.5883,  
52.9773


 8.9114, 2.7008,  
2.1260


 112.4804, 73.7486,  
72.3761

 4.7401, 0.9776,  
0.6312

 142.2845, 96.9375,  
96.0121

 2.1288, 0.0000,  
0.0000

 176.9367,  
124.5394, 124.3038

 0.7048, 0.0000,  
0.0000

 216.8026,

 0.0000, 0.0000,

156.9386, 157.6698

0.0000

262.2473,  
194.5196, 196.5285

■ 34.4389, 17.4350,  
16.0182

■ 34.4389, 17.4350,  
16.0182

■ 34.4375, 17.4344,  
16.0111

■ 35.4190, 18.3094,  
19.6931

■ 36.8405, 19.9246,  
23.9517

■ 38.8199, 22.5092,  
28.8480

■ 41.4252, 26.1946,  
34.4186

■ 44.7141, 31.0915,  
40.6966

■ 48.7371, 37.2970,  
47.7117

■ 53.5399, 44.8983,  
55.4917

■ 59.1642, 53.9748,  
64.0627

■ 65.6487, 64.6002,  
73.4491

# Harmonies

## Analogous

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



32.3776, 17.4350, 41.4668



34.4389, 17.4350, 16.0182



30.6968, 17.4350, 4.2491

# Triad

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



34.4389, 17.4350, 16.0182



9.9228, 17.4350, 1.5059



11.3316, 17.4350, 81.5154

# Complementary

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



34.4389, 17.4350, 16.0182



30.7425, 56.2475, 26.3911

# 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.



7.6207, 17.4350, 51.2962



34.4389, 17.4350, 16.0182



6.9869, 17.4350, 6.5815

# Square

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



34.4389, 17.4350, 16.0182



15.5007, 17.4350, 0.4903



6.2854, 17.4350, 22.2944



17.6904, 17.4350, 91.6855



# Rectangle

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



34.4389, 17.4350, 16.0182



25.9084, 17.4350, 1.5711



6.2854, 17.4350, 22.2944



9.7999, 17.4350, 72.6553

# Sweetspot

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



34.4394, 17.4361, 16.0185



69.5548, 58.2180, 72.0130



21.2430, 9.3503, 73.3580



14.2945, 11.5170, 14.4693



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.



34.4394, 17.4361, 16.0185



44.7788, 22.6755, 20.5649



31.7203, 16.4141, 1.4978



14.6637, 14.4827, 16.4296



20.1424, 10.1912, 9.6446



1.5352, 0.7718, 0.9588



# Inverse Universe

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



34.4394, 17.4361, 16.0185



44.7788, 22.6755, 20.5649



40.3115, 58.4379, 81.8279



14.6637, 14.4827, 16.4296



20.1424, 10.1912, 9.6446



1.5352, 0.7718, 0.9588



# Previews

## White Background



This preview shows how the XYZ color 34.4389, 17.4350, 16.0182 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 34.4389, 17.4350, 16.0182 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 34.4389, 17.4350, 16.0182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4389, 17.4350, 16.0182.



This preview shows how white text looks on a background with the XYZ color 34.4389, 17.4350,



# 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

34.4389, 17.4350, 16.0182

### Protanopia

18.3608, 18.0236, 34.8589

### Deuteranopia

18.3587, 17.9646, 14.5565



## Tritanopia

32.0404, 17.7495, 4.0228

# Trichromacy



## Original Color

34.4389, 17.4350, 16.0182



## Protanomaly

19.7601, 13.2750, 26.3318



## Deuteranomaly

21.1277, 14.0490, 14.4301



## Tritanomaly

32.4564, 17.1967, 6.9188

# Monochromacy



## Original Color

34.4389, 17.4350, 16.0182



## Achromatopsia

7.6249, 8.0220, 8.7359



## Achromatomaly

12.7450, 8.1095, 10.7911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4389, 17.4350, 16.0182 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(227, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 109)  
}
```

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(227, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4389, 17.4350, 16.0182 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(227, 0, 109) }
```



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

```
.border{ border-color:rgb(227, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4389, 17.4350, 16.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 109) }
```

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

```
.background{ background-color: rgb(227, 0,  
109) }
```

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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