

Converting Colors

XYZ(34.8501, 17.5977, 18.2661)

Have a look what the booklet for
XYZ(34.8501, 17.5977, 18.2661)
contains.

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Color

**XYZ(34.8894, 17.6152,
18.3908)**

Conversions

Conversions Part 1

Format	Color
Hex	E30075
RGB	227, 0, 117
RGB Percent	89%, 0%, 46%
CMY	0.1098, 0.9998, 0.5412
CMYK	0.00, 1.00, 0.48, 0.11
HSL	329°, 100%, 45%
HSV	329°, 100%, 89%
XYZ	34.8894, 17.6152, 18.3908
YIQ	81.2110, 97.7350, 84.5110

Conversions

Conversions Part 2

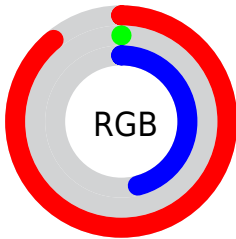
Format	Color
R_{YB}	227, 0, 117
Decimal	14876789
CIE Lab	49.03, 77.72, 1.56
CIE LCh	49, 77.735, 1.149
Yxy	17.6152, 0.4921, 0.2485
Android (android.graphics.Color)	4293066869 (0xFFE30075)
YUV	81.2110, 17.6440, 127.8570
Hunter-Lab	41.9705, 74.9360, 3.3994

Details

The XYZ color **34.8894, 17.6152, 18.3908** 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 **30.2867, 56.0651, 23.9909**, and the grayscale version is **7.8207, 8.2280, 8.9602**.

A 20% lighter version of the original color is **52.3158, 31.9533, 40.9464**, and **16.5912, 8.4290, 6.3827** is the 20% darker color. If you saturate the color by 10%, you get **34.8880, 17.6146, 18.3836**, and if you desaturate by 10%, it is **35.8763, 18.4923, 22.1014**.

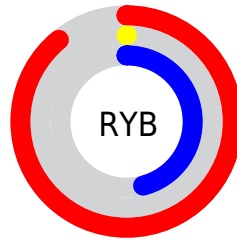
Distribution



Red (89%)

Green (0%)

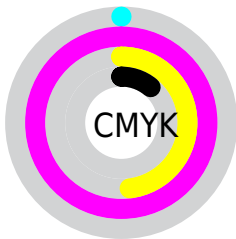
Blue (46%)



Red (89%)

Yellow (0%)

Blue (46%)

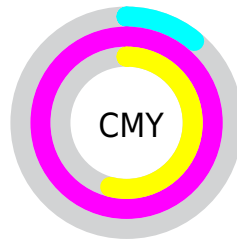


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8894, 17.6152, 18.3908 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 34.8894, 17.6152, 18.3908 by changing the saturation by 10% instead.

 34.8894, 17.6152,
18.3908


 34.8894, 17.6152,
18.3908


315.5965,
238.6931, 255.3743


 23.7438, 10.6741,
11.0586


 66.6495, 39.3805,
41.5250


 15.2674, 5.8481,
5.9916


 87.9948, 54.9735,
58.1641


 9.0948, 2.7530,
2.7713


 113.4707, 74.2193,
78.7426

 4.8607, 1.0042,
0.9791

 143.4425, 97.5022,
103.6789

 2.1997, 0.0000,
0.0000

 178.2756,
125.2066, 133.3917

 0.7426, 0.0000,
0.0000

 218.3354,

 0.0000, 0.0000,

157.7170, 168.2996

0.0000

263.9873,
195.4177, 208.8209

■ 34.8894, 17.6152,
18.3908

■ 34.8894, 17.6152,
18.3908

■ 34.8880, 17.6146,
18.3836

■ 35.8763, 18.4923,
22.1014

■ 37.2946, 20.1062,
26.3432

■ 39.2601, 22.6853,
31.1666

■ 41.8404, 26.3606,
36.6054

■ 45.0924, 31.2428,
42.6894

■ 49.0663, 37.4286,
49.4457

■ 53.8071, 45.0051,
56.8994

■ 59.3561, 54.0515,
65.0739

■ 65.7515, 64.6412,
73.9914

Harmonies

Analogous

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



32.1482, 17.6152, 45.5899



34.8894, 17.6152, 18.3908



31.7184, 17.6152, 5.0597

Triad

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



34.8894, 17.6152, 18.3908



10.5212, 17.6152, 1.2893



10.8803, 17.6152, 79.6416

Complementary

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



34.8894, 17.6152, 18.3908



30.2867, 56.0651, 23.9909

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.



7.4266, 17.6152, 48.1034



34.8894, 17.6152, 18.3908



7.2652, 17.6152, 5.6515

Square

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



34.8894, 17.6152, 18.3908



16.4649, 17.6152, 0.4760



6.3200, 17.6152, 19.9914



17.0237, 17.6152, 93.1086

Rectangle

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



34.8894, 17.6152, 18.3908



27.0897, 17.6152, 1.8672



6.3200, 17.6152, 19.9914



9.4363, 17.6152, 70.0474

Sweetspot

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



34.8899, 17.6162, 18.3911



69.9047, 58.3580, 73.8558



20.2639, 8.8455, 73.3121



14.3771, 11.5501, 14.9045



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.



34.8899, 17.6162, 18.3911



45.3643, 22.9097, 23.6483



31.7000, 16.3403, 1.5932



14.6855, 14.4914, 16.5443



20.4061, 10.2967, 11.0335



1.5549, 0.7797, 1.0624

Inverse Universe

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



34.8899, 17.6162, 18.3911



45.3643, 22.9097, 23.6483



40.8182, 60.2777, 79.4490



14.6855, 14.4914, 16.5443



20.4061, 10.2967, 11.0335



1.5549, 0.7797, 1.0624

Previews

White Background



This preview shows how the XYZ color 34.8894, 17.6152, 18.3908 looks on a white background.

Color Contrast Check

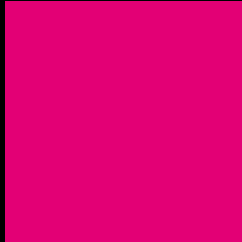
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8894, 17.6152, 18.3908 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8894, 17.6152, 18.3908

Background



This preview shows how black text looks on a background with the XYZ color 34.8894, 17.6152, 18.3908.



This preview shows how white text looks on a background with the XYZ color 34.8894, 17.6152,

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

34.8894, 17.6152, 18.3908

Protanopia

19.0022, 18.4119, 40.0885

Deuteranopia

18.5027, 18.1645, 16.4408



Tritanopia

32.2306, 18.0065, 4.4662

Trichromacy



Original Color

34.8894, 17.6152, 18.3908



Protanomaly

19.9864, 13.3026, 30.3684



Deuteranomaly

21.4002, 14.2376, 16.6591



Tritanomaly

32.6604, 17.3542, 7.7592

Monochromacy



Original Color

34.8894, 17.6152, 18.3908



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0799, 8.3325, 11.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8894, 17.6152, 18.3908 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 34.8894, 17.6152, 18.3908 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, 117) }
```


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

```
.border{ border-color:rgb(227, 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(227, 0, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8894, 17.6152, 18.3908 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, 117) }
```

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

```
.background{ background-color: rgb(227, 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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