

Converting Colors

XYZ(34.2394, 16.9299, 34.1867)

Have a look what the booklet for
XYZ(34.2394, 16.9299, 34.1867)
contains.

XYZ(34.2823, 16.9503, 34.2657)	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(34.2823, 16.9503,
34.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	D7009F
RGB	215, 0, 159
RGB Percent	84%, 0%, 62%
CMY	0.1569, 0.9998, 0.3765
CMYK	0.00, 1.00, 0.26, 0.16
HSL	316°, 100%, 42%
HSV	316°, 100%, 84%
XYZ	34.2823, 16.9503, 34.2657
YIQ	82.4110, 77.1010, 95.0290

Conversions

Conversions Part 2

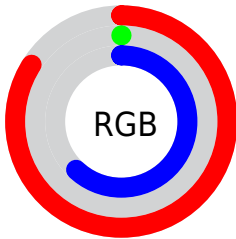
Format	Color
R_YB	215, 0, 159
Decimal	14090399
CIE _{Lab}	48.20, 79.20, -25.35
CIE _{LCh}	48, 83.162, 342.250
Yxy	16.9503, 0.4010, 0.1983
Android (android.graphics.Color)	4292280479 (0xFFD7009F)
YUV	82.4110, 37.7584, 116.2806
Hunter-Lab	41.1707, 76.5857, -20.5265

Details

The XYZ color **34.2823, 16.9503, 34.2657** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **25.0158, 48.8872, 11.8645**, and the grayscale version is **8.0230, 8.4408, 9.1920**.

A 20% lighter version of the original color is **57.2919, 33.9437, 67.1505**, and **16.1714, 8.0301, 14.6076** is the 20% darker color. If you saturate the color by 10%, you get **34.2814, 16.9499, 34.2608**, and if you desaturate by 10%, it is **35.0579, 17.7057, 36.9771**.

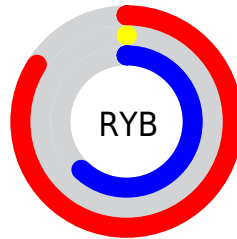
Distribution



Red (84%)

Green (0%)

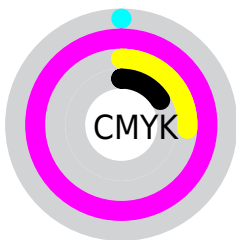
Blue (62%)



Red (84%)

Yellow (0%)

Blue (62%)

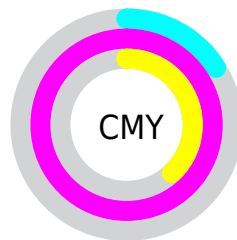


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2823, 16.9503, 34.2657 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 34.2823, 16.9503, 34.2657 by changing the saturation by 10% instead.


 34.2823, 16.9503,
34.2657


 34.2823, 16.9503,
34.2657


312.9528,
234.8858, 336.1204


 23.2745, 10.1991,
22.8188


 65.7138, 38.2403,
67.4853


 14.9181, 5.5311,
14.2557


 86.8682, 53.5479,
90.0950


 8.8479, 2.5621,
8.1580


 112.1355, 72.4763,
117.2627

 4.6984, 0.9077,
4.1070

 141.8810, 95.4101,
149.4070

 2.1043, 0.0000,
1.6842

 176.4702,
122.7335, 186.9463

 0.6916, 0.0000,
0.3499

 216.2683,

 0.0000, 0.0000,

154.8310, 230.2994

0.0000

261.6407,
192.0870, 279.8845

■ 34.2823, 16.9503,
34.2657

■ 34.2823, 16.9503,
34.2657

■ 34.2814, 16.9499,
34.2608

■ 35.0579, 17.7057,
36.9771

■ 36.1646, 19.0879,
39.9089

■ 37.7055, 21.3021,
43.0968

■ 39.7376, 24.4622,
46.5613

■ 42.3090, 28.6640,
50.3197

■ 45.4620, 33.9915,
54.3873

■ 49.2345, 40.5201,
58.7781

■ 53.6611, 48.3187,
63.5049

■ 58.7739, 57.4510,
68.5795

Harmonies

Analogous

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



27.9836, 16.9503, 69.5504



34.2823, 16.9503, 34.2657



34.8827, 16.9503, 10.9620

Triad

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



34.2823, 16.9503, 34.2657



13.2212, 16.9503, 0.1280



7.5732, 16.9503, 62.9354

Complementary

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



34.2823, 16.9503, 34.2657



25.0158, 48.8872, 11.8645

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.



5.6767, 16.9503, 28.7640



34.2823, 16.9503, 34.2657



8.1849, 16.9503, 1.6137

Square

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



34.2823, 16.9503, 34.2657



20.9573, 16.9503, 0.2724



5.8586, 16.9503, 8.4566



12.0757, 16.9503, 93.1887

Rectangle

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



34.2823, 16.9503, 34.2657



31.7825, 16.9503, 3.9682



5.8586, 16.9503, 8.4566



6.6839, 16.9503, 50.7432

Sweetspot

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



34.2829, 16.9512, 34.2660



72.2657, 59.3024, 86.2884



13.7758, 5.6855, 64.6614



14.9401, 11.7753, 17.8692



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.



34.2829, 16.9512, 34.2660



50.3785, 24.9154, 50.0528



28.6856, 14.7123, 4.7911



12.8084, 12.5749, 14.9315



20.5499, 10.1563, 20.7314



1.2725, 0.6258, 1.4243

Inverse Universe

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



34.2829, 16.9512, 34.2660



50.3785, 24.9154, 50.0528



30.7570, 51.1836, 42.0972



12.8084, 12.5749, 14.9315



20.5499, 10.1563, 20.7314



1.2725, 0.6258, 1.4243

Previews

White Background



This preview shows how the XYZ color 34.2823, 16.9503, 34.2657 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 34.2823, 16.9503, 34.2657 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 34.2823, 16.9503, 34.2657

Background



This preview shows how black text looks on a background with the XYZ color 34.2823, 16.9503, 34.2657.



This preview shows how white text looks on a background with the XYZ color 34.2823, 16.9503,

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

34.2823, 16.9503, 34.2657

Protanopia

20.8992, 17.9542, 74.3155

Deuteranopia

17.9977, 17.5841, 30.8793



Tritanopia

28.7733, 17.3583, 6.9882

Trichromacy



Original Color

34.2823, 16.9503, 34.2657



Protanomaly

19.2847, 12.1502, 57.2059



Deuteranomaly

20.5267, 13.4546, 31.6521



Tritanomaly

29.9230, 16.2866, 13.6231

Monochromacy



Original Color

34.2823, 16.9503, 34.2657



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.2484, 8.3276, 15.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2823, 16.9503, 34.2657 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(215, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 159)  
}
```

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(215, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 159) }
```

Border

The CSS property to change the border of an element to XYZ 34.2823, 16.9503, 34.2657 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(215, 0, 159) }
```


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

```
.border{ border-color:rgb(215, 0, 159) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2823, 16.9503, 34.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 159) }
```

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

```
.background{ background-color: rgb(215, 0,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)