

Converting Colors

XYZ(34.2537, 16.7945, 39.7328)

Have a look what the booklet for
XYZ(34.2537, 16.7945, 39.7328)
contains.

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Color

**XYZ(34.2147, 16.7892,
39.9654)**

Conversions

Conversions Part 1

Format	Color
Hex	D300AB
RGB	211, 0, 171
RGB Percent	83%, 0%, 67%
CMY	0.1725, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.19, 0.17
HSL	311°, 100%, 41%
HSV	311°, 100%, 83%
XYZ	34.2147, 16.7892, 39.9654
YIQ	82.5830, 70.8650, 97.9130

Conversions

Conversions Part 2

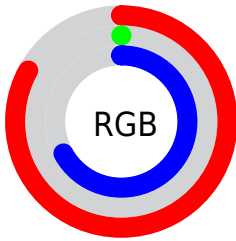
Format	Color
R_{YB}	211, 0, 171
Decimal	13828267
CIE _{Lab}	47.99, 79.85, -32.87
CIE _{LCh}	48, 86.347, 337.628
Yxy	16.7892, 0.3761, 0.1846
Android (android.graphics.Color)	4292018347 (0xFFD300AB)
YUV	82.5830, 43.5896, 112.6217
Hunter-Lab	40.9746, 77.3458, -29.1474

Details

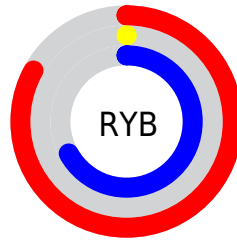
The XYZ color **34.2147, 16.7892, 39.9654** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.6785, 46.7426, 9.7851**, and the grayscale version is **8.0465, 8.4655, 9.2189**.

A 20% lighter version of the original color is **58.9323, 34.4603, 76.2185**, and **16.0325, 7.8873, 17.8169** is the 20% darker color. If you saturate the color by 10%, you get **34.2142, 16.7890, 39.9620**, and if you desaturate by 10%, it is **34.8728, 17.4856, 42.0950**.

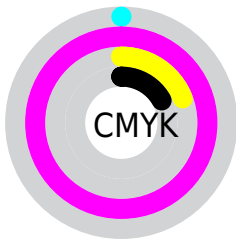
Distribution



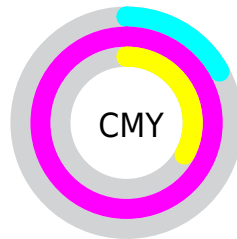
- Red (83%)
- Green (0%)
- Blue (67%)



- Red (83%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2147, 16.7892, 39.9654 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 34.2147, 16.7892, 39.9654 by changing the saturation by 10% instead.

 34.2147, 16.7892,
39.9654


 34.2147, 16.7892,
39.9654


312.6574,
233.9547, 361.5255


 23.2223, 10.0843,
27.1980


 65.6095, 37.9630,
76.3473


 14.8793, 5.4549,
17.4882


 86.7425, 53.2007,
100.7989


 8.8205, 2.5166,
10.4176


 111.9865, 72.0514,
129.9823

 4.6804, 0.8849,
5.5675

 141.7067, 94.8996,
164.3161

 2.0938, 0.0000,
2.5194

 176.2686,
122.1296, 204.2188

 0.6859, 0.0000,
0.8504

 216.0374,

 0.0000, 0.0000,

154.1259, 250.1088

0.0000

261.3786,
191.2727, 302.4049

■ 34.2147, 16.7892,
39.9654

■ 34.2147, 16.7892,
39.9654

■ 34.2142, 16.7890,
39.9620

■ 34.8728, 17.4856,
42.0950

■ 35.8374, 18.7765,
44.3842

■ 37.2079, 20.8605,
46.8665

■ 39.0385, 23.8457,
49.5607

■ 41.3751, 27.8237,
52.4823

■ 44.2577, 32.8746,
55.6454

■ 47.7224, 39.0703,
59.0623

■ 51.8022, 46.4766,
62.7444

■ 56.5275, 55.1542,
66.7025

Harmonies

Analogous

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



26.9674, 16.7892, 77.6937



34.2147, 16.7892, 39.9654



35.8965, 16.7892, 13.1546

Triad

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



34.2147, 16.7892, 39.9654



14.0498, 16.7892, 0.0000



6.7881, 16.7892, 58.9990

Complementary

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



34.2147, 16.7892, 39.9654



23.6785, 46.7426, 9.7851

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.



5.2360, 16.7892, 24.5903



34.2147, 16.7892, 39.9654



8.4453, 16.7892, 1.0046

Square

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



34.2147, 16.7892, 39.9654



22.3682, 16.7892, 0.2027



5.7240, 16.7892, 6.3276



10.9063, 16.7892, 93.6216

Rectangle

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



34.2147, 16.7892, 39.9654



33.2579, 16.7892, 4.7269



5.7240, 16.7892, 6.3276



6.0222, 16.7892, 46.2808

Sweetspot

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



34.2153, 16.7901, 39.9657



73.0619, 59.6209, 90.4813



12.5843, 5.1298, 61.9554



15.1319, 11.8520, 18.8790



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.



34.2153, 16.7901, 39.9657



52.4597, 25.7479, 61.0123



27.8730, 14.2531, 6.5675



12.2107, 11.9690, 14.3852



20.6840, 10.1465, 24.3061



1.1819, 0.5775, 1.4927

Inverse Universe

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



34.2153, 16.7901, 39.9657



52.4597, 25.7479, 61.0123



28.3439, 48.6087, 34.3525



12.2107, 11.9690, 14.3852



20.6840, 10.1465, 24.3061



1.1819, 0.5775, 1.4927

Previews

White Background



This preview shows how the XYZ color 34.2147, 16.7892, 39.9654 looks on a white background.

Color Contrast Check

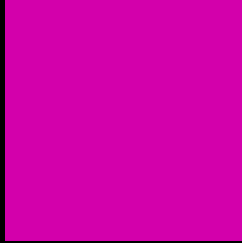
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2147, 16.7892, 39.9654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

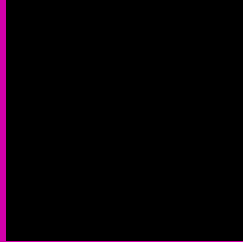
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.2147, 16.7892, 39.9654

Background



This preview shows how black text looks on a background with the XYZ color 34.2147, 16.7892, 39.9654.



This preview shows how white text looks on a background with the XYZ color 34.2147, 16.7892,

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

34.2147, 16.7892, 39.9654

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.7293, 17.3394, 35.6701



Tritanopia

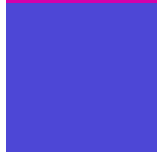
27.7731, 17.1658, 7.8108

Trichromacy



Original Color

34.2147, 16.7892, 39.9654



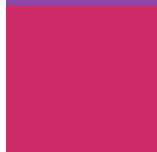
Protanomaly

17.4514, 10.9393, 64.8100



Deuteranomaly

20.0679, 13.1081, 36.5944



Tritanomaly

28.9713, 15.9111, 15.4541

Monochromacy



Original Color

34.2147, 16.7892, 39.9654



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5735, 8.5298, 17.1507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2147, 16.7892, 39.9654 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(211, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 171)  
}
```

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(211, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 34.2147, 16.7892, 39.9654 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(211, 0, 171) }
```


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

```
.border{ border-color:rgb(211, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(211, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2147, 16.7892, 39.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 171) }
```

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

```
.background{ background-color: rgb(211, 0,  
171) }
```

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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