

Converting Colors

XYZ(33.9089, 16.6884, 37.3815)

Have a look what the booklet for
XYZ(33.9089, 16.6884, 37.3815)
contains.

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Color

**XYZ(34.0343, 16.7502,
37.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	D400A6
RGB	212, 0, 166
RGB Percent	83%, 0%, 65%
CMY	0.1686, 0.9999, 0.3490
CMYK	0.00, 1.00, 0.22, 0.17
HSL	313°, 100%, 42%
HSV	313°, 100%, 83%
XYZ	34.0343, 16.7502, 37.5157
YIQ	82.3120, 73.0660, 96.5700

Conversions

Conversions Part 2

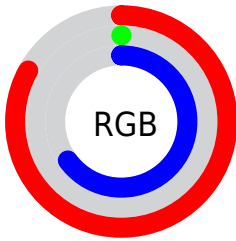
Format	Color
R_{YB}	212, 0, 166
Decimal	13893798
CIE _{Lab}	47.94, 79.44, -29.96
CIE _{LCh}	48, 84.899, 339.334
Yxy	16.7502, 0.3854, 0.1897
Android (android.graphics.Color)	4292083878 (0xFFD400A6)
YUV	82.3120, 41.2582, 113.7364
Hunter-Lab	40.9270, 76.8157, -25.6992

Details

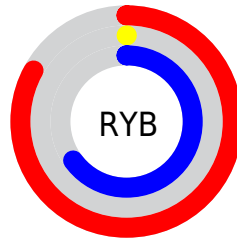
The XYZ color **34.0343, 16.7502, 37.5157** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.0379, 47.2850, 10.4485**, and the grayscale version is **7.9962, 8.4126, 9.1614**.

A 20% lighter version of the original color is **58.1183, 34.1348, 71.9321**, and **15.9862, 7.8903, 16.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.0338, 16.7500, 37.5121**, and if you desaturate by 10%, it is **34.7368, 17.4673, 39.8697**.

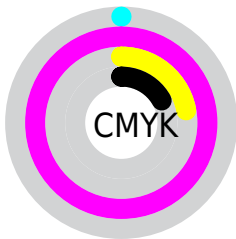
Distribution



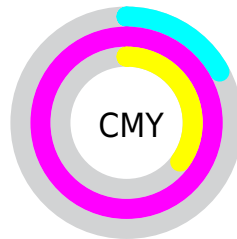
- Red (83%)
- Green (0%)
- Blue (65%)



- Red (83%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0343, 16.7502, 37.5157 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 34.0343, 16.7502, 37.5157 by changing the saturation by 10% instead.

 34.0343, 16.7502,
37.5157


 34.0343, 16.7502,
37.5157

311.8682,
233.7287, 350.7736


 23.0830, 10.0566,
25.3081


 65.3309, 37.8958,
72.5604


 14.7758, 5.4365,
16.0857


 86.4070, 53.1165,
96.2346


 8.7475, 2.5056,
9.4298


 111.5886, 71.9484,
124.5680

 4.6326, 0.8794,
4.9219

 141.2412, 94.7758,
157.9793

 2.0659, 0.0000,
2.1436

 175.7301,
121.9831, 196.8870

 0.6706, 0.0000,
0.6415

 215.4206,

 0.0000, 0.0000,

153.9548, 241.7096

0.0000

260.6782,
191.0752, 292.8656

■ 34.0343, 16.7502,
37.5157

■ 34.0343, 16.7502,
37.5157

■ 34.0338, 16.7500,
37.5121

■ 34.7368, 17.4673,
39.8697

■ 35.7527, 18.7872,
42.4034

■ 37.1826, 20.9103,
45.1511

■ 39.0812, 23.9460,
48.1317

■ 41.4951, 27.9870,
51.3616

■ 44.4647, 33.1143,
54.8549

■ 48.0268, 39.4008,
58.6245

■ 52.2146, 46.9130,
62.6823

■ 57.0591, 55.7124,
67.0393

Harmonies

Analogous

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



27.1847, 16.7502, 74.0924



34.0343, 16.7502, 37.5157



35.2974, 16.7502, 12.2225

Triad

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



34.0343, 16.7502, 37.5157



13.6517, 16.7502, 0.0000



7.0371, 16.7502, 60.1004

Complementary

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



34.0343, 16.7502, 37.5157



24.0379, 47.2850, 10.4485

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.



5.3688, 16.7502, 25.9607



34.0343, 16.7502, 37.5157



8.2977, 16.7502, 1.2059

Square

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



34.0343, 16.7502, 37.5157



21.6977, 16.7502, 0.2255



5.7414, 16.7502, 7.0433



11.2723, 16.7502, 92.8881

Rectangle

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



34.0343, 16.7502, 37.5157



32.4986, 16.7502, 4.4046



5.7414, 16.7502, 7.0433



6.2308, 16.7502, 47.6458

Sweetspot

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



34.0349, 16.7511, 37.5160



72.7513, 59.4966, 88.8455



13.0091, 5.3342, 62.6316



15.0569, 11.8220, 18.4845



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.



34.0349, 16.7511, 37.5160



51.6257, 25.4143, 56.6202



27.9700, 14.3251, 5.5787



12.8323, 12.5844, 15.0569



21.0491, 10.3560, 23.3606



1.2989, 0.6363, 1.5634

Inverse Universe

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



34.0349, 16.7511, 37.5160



51.6257, 25.4143, 56.6202



29.2070, 49.3526, 37.6683



12.8323, 12.5844, 15.0569



21.0491, 10.3560, 23.3606



1.2989, 0.6363, 1.5634

Previews

White Background



This preview shows how the XYZ color 34.0343, 16.7502, 37.5157 looks on a white background.

Color Contrast Check

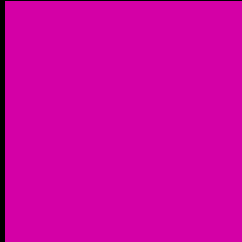
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0343, 16.7502, 37.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

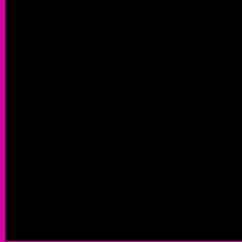
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.0343, 16.7502, 37.5157

Background



This preview shows how black text looks on a background with the XYZ color 34.0343, 16.7502, 37.5157.



This preview shows how white text looks on a background with the XYZ color 34.0343, 16.7502,

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

34.0343, 16.7502, 37.5157

Protanopia

21.2654, 17.8150, 81.6747

Deuteranopia

17.7594, 17.4044, 33.4337



Tritanopia

27.8663, 17.0476, 7.4520

Trichromacy



Original Color

34.0343, 16.7502, 37.5157



Protanomaly

18.3255, 11.4338, 62.8691



Deuteranomaly

20.1422, 13.1976, 34.2867



Tritanomaly

29.0238, 15.8508, 14.6265

Monochromacy



Original Color

34.0343, 16.7502, 37.5157



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.2619, 8.3154, 16.5288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0343, 16.7502, 37.5157 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(212, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 166)  
}
```

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(212, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 34.0343, 16.7502, 37.5157 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(212, 0, 166) }
```


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

```
.border{ border-color:rgb(212, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0343, 16.7502, 37.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 166) }
```

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

```
.background{ background-color: rgb(212, 0,  
166) }
```

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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