

Converting Colors

XYZ(33.5859, 16.7326, 34.5010)

Have a look what the booklet for
XYZ(33.5859, 16.7326, 34.5010)
contains.

XYZ(33.5942, 16.7305, 34.7164)	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(33.5942, 16.7305,
34.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	D409A0
RGB	212, 9, 160
RGB Percent	83%, 4%, 63%
CMY	0.1686, 0.9645, 0.3725
CMYK	0.00, 0.96, 0.25, 0.17
HSL	315°, 92%, 43%
HSV	315°, 96%, 83%
XYZ	33.5942, 16.7305, 34.7164
YIQ	86.9110, 72.5170, 89.9970

Conversions

Conversions Part 2

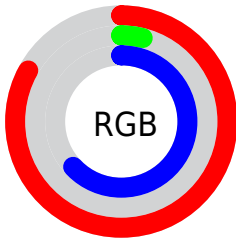
Format	Color
R_{YB}	212, 9, 160
Decimal	13896096
CIE _{Lab}	47.92, 78.01, -26.43
CIE _{LCh}	48, 82.362, 341.284
Yxy	16.7305, 0.3950, 0.1967
Android (android.graphics.Color)	4292086176 (0xFFD409A0)
YUV	86.9110, 36.0329, 109.7031
Hunter-Lab	40.9029, 75.0246, -21.6904

Details

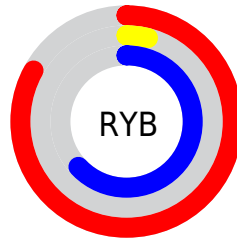
The XYZ color **33.5942, 16.7305, 34.7164** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.5001, 47.4828, 12.2943**, and the grayscale version is **8.9589, 9.4255, 10.2644**.

A 20% lighter version of the original color is **57.5084, 34.1717, 67.8547**, and **15.6557, 7.7581, 14.8597** is the 20% darker color. If you saturate the color by 10%, you get **33.2958, 16.4548, 33.6267**, and if you desaturate by 10%, it is **34.4527, 17.6702, 37.3986**.

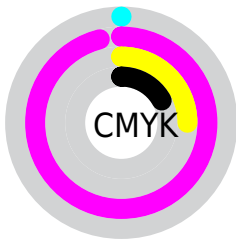
Distribution



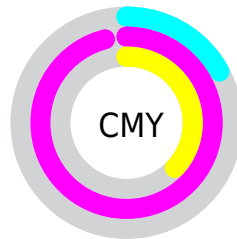
- Red (83%)
- Green (4%)
- Blue (63%)



- Red (83%)
- Yellow (4%)
- Blue (63%)



- Cyan (0%)
- Magenta (96%)
- Yellow (25%)
- Black (17%)





- Cyan (17%)
- Magenta (96%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5942, 16.7305, 34.7164 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 33.5942, 16.7305, 34.7164 by changing the saturation by 10% instead.

 33.5942, 16.7305,
34.7164


 33.5942, 16.7305,
34.7164


309.9367,
233.6145, 338.1809


 22.7434, 10.0425,
23.1627


 64.6506, 37.8618,
68.1928


 14.5238, 5.4272,
14.5073


 85.5870, 53.0740,
90.9525


 8.5700, 2.5000,
8.3315


 110.6159, 71.8963,
118.2847

 4.5167, 0.8766,
4.2170

 140.1028, 94.7132,
150.6078

 1.9984, 0.0000,
1.7451

 174.4129,
121.9091, 188.3405

 0.6330, 0.0000,
0.3914

 213.9117,

 0.0000, 0.0000,

153.8683, 231.9012

0.0000

258.9645,
190.9753, 281.7085

■ 33.5942, 16.7305,
34.7164

■ 33.5942, 16.7305,
34.7164

■ 33.2958, 16.4548,
33.6267

■ 34.4527, 17.6702,
37.3986

■ 35.6923, 19.3384,
40.3114

■ 37.3761, 21.8613,
43.4773

■ 39.5552, 25.3402,
46.9144

■ 42.2733, 29.8623,
50.6386

■ 45.5694, 35.5050,
54.6639

■ 49.4785, 42.3384,
59.0034

■ 54.0331, 50.4266,
63.6689

■ 59.2630, 59.8293,
68.6715

Harmonies

Analogous

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



27.2892, 16.7305, 69.3711



33.5942, 16.7305, 34.7164



34.3881, 16.7305, 11.3366

Triad

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



33.5942, 16.7305, 34.7164



13.2714, 16.7305, 0.1292



7.4124, 16.7305, 60.6367

Complementary

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



33.5942, 16.7305, 34.7164



24.5001, 47.4828, 12.2943

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.



5.6157, 16.7305, 27.4342



33.5942, 16.7305, 34.7164



8.2263, 16.7305, 1.5349

Square

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



33.5942, 16.7305, 34.7164



20.9309, 16.7305, 0.3224



5.8581, 16.7305, 8.0027



11.7507, 16.7305, 90.7420

Rectangle

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



33.5942, 16.7305, 34.7164



31.4684, 16.7305, 4.1738



5.8581, 16.7305, 8.0027



6.5627, 16.7305, 48.7214

Sweetspot

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



33.5948, 16.7314, 34.7167



72.9221, 60.3873, 87.2101



13.8320, 5.9035, 62.6980



15.0670, 11.9804, 18.0617



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.



33.5948, 16.7314, 34.7167



50.4979, 24.9632, 50.6815



28.0594, 14.5172, 5.5677



12.8108, 12.5758, 14.9439



20.5977, 10.1754, 20.9834



1.2750, 0.6268, 1.4377

Inverse Universe

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



33.5948, 16.7314, 34.7167



50.4979, 24.9632, 50.6815



30.1127, 49.7278, 41.8499



12.8108, 12.5758, 14.9439



20.5977, 10.1754, 20.9834



1.2750, 0.6268, 1.4377

Previews

White Background



This preview shows how the XYZ color 33.5942, 16.7305, 34.7164 looks on a white background.

Color Contrast Check

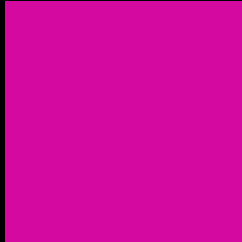
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5942, 16.7305, 34.7164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

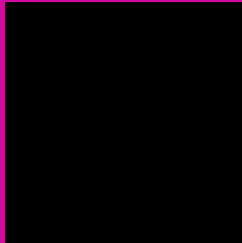
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.5942, 16.7305, 34.7164

Background



This preview shows how black text looks on a background with the XYZ color 33.5942, 16.7305, 34.7164.



This preview shows how white text looks on a background with the XYZ color 33.5942, 16.7305,

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

33.5942, 16.7305, 34.7164

Protanopia

20.5458, 17.4285, 74.9542

Deuteranopia

17.5945, 17.2004, 31.2468



Tritanopia

27.9675, 16.9394, 7.1058

Trichromacy



Original Color

33.5942, 16.7305, 34.7164



Protanomaly

18.9372, 12.1524, 57.8475



Deuteranomaly

20.2029, 13.4762, 32.1082



Tritanomaly

29.2253, 16.0772, 13.8748

Monochromacy



Original Color

33.5942, 16.7305, 34.7164



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.1169, 9.2484, 16.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5942, 16.7305, 34.7164 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, 9, 160)` looks like.

```
.text, #text, p{  
    color:rgb(212, 9, 160)  
}
```

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, 9, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 9, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.5942, 16.7305, 34.7164 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, 9, 160) }
```


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

```
.border{ border-color:rgb(212, 9, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 9, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 9, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 9, 160);  
box-shadow:4px 4px 4px 4px rgb(212, 9,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5942, 16.7305, 34.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 9, 160) }
```

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

```
.background{ background-color: rgb(212, 9,  
160) }
```

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