

Converting Colors

XYZ(29.6906, 8.5719, 33.6740)

Have a look what the booklet for
XYZ(29.6906, 8.5719, 33.6740)
contains.

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Color

**XYZ(33.8736, 16.7193,
35.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	D500A1
RGB	213, 0, 161
RGB Percent	84%, 0%, 63%
CMY	0.1647, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.24, 0.16
HSL	315°, 100%, 42%
HSV	315°, 100%, 84%
XYZ	33.8736, 16.7193, 35.1600
YIQ	82.0410, 75.2670, 95.2270

Conversions

Conversions Part 2

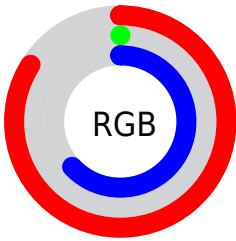
Format	Color
R_{YB}	213, 0, 161
Decimal	13959329
CIE Lab	47.90, 79.05, -27.03
CIE LCh	48, 83.540, 341.120
Yxy	16.7193, 0.3950, 0.1950
Android (android.graphics.Color)	4292149409 (0xFFD500A1)
YUV	82.0410, 38.9268, 114.8510
Hunter-Lab	40.8892, 76.3174, -22.3600

Details

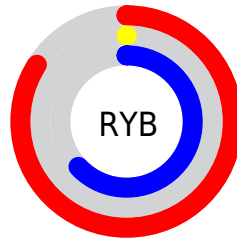
The XYZ color **33.8736, 16.7193, 35.1600** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.4155, 47.8372, 11.1997**, and the grayscale version is **7.9462, 8.3600, 9.1041**.

A 20% lighter version of the original color is **57.4618, 33.8722, 68.4752**, and **15.8972, 7.8764, 15.1504** is the 20% darker color. If you saturate the color by 10%, you get **33.8730, 16.7191, 35.1562**, and if you desaturate by 10%, it is **34.6165, 17.4555, 37.7180**.

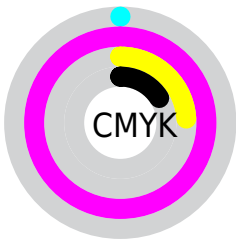
Distribution



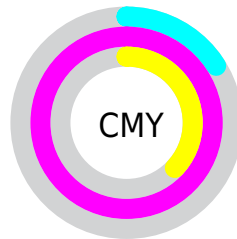
- Red (84%)
- Green (0%)
- Blue (63%)



- Red (84%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8736, 16.7193, 35.1600 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 33.8736, 16.7193, 35.1600 by changing the saturation by 10% instead.

 33.8736, 16.7193,
35.1600


 33.8736, 16.7193,
35.1600


311.1639,
233.5496, 340.1997


 22.9589, 10.0346,
23.5016


 65.0827, 37.8425,
68.8879


 14.6837, 5.4219,
14.7556


 86.1078, 53.0498,
91.7946


 8.6826, 2.4969,
8.5033


 111.2337, 71.8667,
119.2877

 4.5902, 0.8751,
4.3263

 140.8259, 94.6776,
151.7859

 2.0411, 0.0000,
1.8060

 175.2497,
121.8670, 189.7076

 0.6569, 0.0000,
0.4319

 214.8703,

 0.0000, 0.0000,

153.8192, 233.4715

0.0000

260.0533,
190.9186, 283.4960

■ 33.8736, 16.7193,
35.1600

■ 33.8736, 16.7193,
35.1600

■ 33.8730, 16.7191,
35.1562

■ 34.6165, 17.4555,
37.7180

■ 35.6805, 18.8032,
40.4781

■ 37.1668, 20.9642,
43.4754

■ 39.1310, 24.0497,
46.7294

■ 41.6203, 28.1531,
50.2568

■ 44.6757, 33.3566,
54.0725

■ 48.3344, 39.7339,
58.1898

■ 52.6300, 47.3524,
62.6209

■ 57.5940, 56.2742,
67.3774

Harmonies

Analogous

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



27.4225, 16.7193, 70.6095



33.8736, 16.7193, 35.1600



34.7193, 16.7193, 11.3290

Triad

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



33.8736, 16.7193, 35.1600



13.2625, 16.7193, 0.0435



7.2980, 16.7193, 61.2724

Complementary

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



33.8736, 16.7193, 35.1600



24.4155, 47.8372, 11.1997

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.



5.5071, 16.7193, 27.4157



33.8736, 16.7193, 35.1600



8.1530, 16.7193, 1.4354

Square

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



33.8736, 16.7193, 35.1600



21.0440, 16.7193, 0.2481



5.7608, 16.7193, 7.8239



11.6567, 16.7193, 92.2169

Rectangle

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



33.8736, 16.7193, 35.1600



31.7610, 16.7193, 4.0941



5.7608, 16.7193, 7.8239



6.4489, 16.7193, 49.0882

Sweetspot

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



33.8742, 16.7202, 35.1603



72.4471, 59.3749, 87.2436



13.3127, 5.4761, 63.3065



14.9837, 11.7927, 18.0988



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.



33.8742, 16.7202, 35.1603



50.8362, 25.0985, 52.4629



28.1753, 14.4407, 5.1505



12.8174, 12.5784, 14.9785



20.7332, 10.2296, 21.6970



1.2822, 0.6297, 1.4756

Inverse Universe

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



33.8742, 16.7202, 35.1603



50.8362, 25.0985, 52.4629



29.8134, 49.9964, 39.6247



12.8174, 12.5784, 14.9785



20.7332, 10.2296, 21.6970



1.2822, 0.6297, 1.4756

Previews

White Background



This preview shows how the XYZ color 33.8736, 16.7193, 35.1600 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 33.8736, 16.7193, 35.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

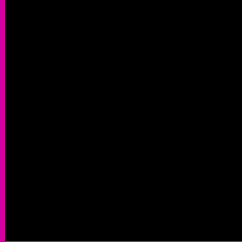
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.8736, 16.7193, 35.1600

Background



This preview shows how black text looks on a background with the XYZ color 33.8736, 16.7193, 35.1600.



This preview shows how white text looks on a background with the XYZ color 33.8736, 16.7193,

35.1600.

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

33.8736, 16.7193, 35.1600

Protanopia

20.8515, 17.7169, 76.4495

Deuteranopia

17.7876, 17.4571, 31.7102



Tritanopia

28.2442, 17.0821, 7.1187

Trichromacy



Original Color

33.8736, 16.7193, 35.1600



Protanomaly

18.8612, 11.8092, 58.4120



Deuteranomaly

20.1530, 13.2426, 32.5043



Tritanomaly

29.4023, 16.0125, 13.8530

Monochromacy



Original Color

33.8736, 16.7193, 35.1600



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.3032, 8.3495, 15.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8736, 16.7193, 35.1600 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(213, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 161)  
}
```

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(213, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.8736, 16.7193, 35.1600 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(213, 0, 161) }
```


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

```
.border{ border-color:rgb(213, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8736, 16.7193, 35.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 161) }
```

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

```
.background{ background-color: rgb(213, 0,  
161) }
```

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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