

Converting Colors

XYZ(32.1324, 14.6373, 35.0954)

Have a look what the booklet for
XYZ(32.1324, 14.6373, 35.0954)
contains.

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Color

**XYZ(33.0999, 16.3103,
35.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	D200A2
RGB	210, 0, 162
RGB Percent	82%, 0%, 64%
CMY	0.1765, 0.9998, 0.3647
CMYK	0.00, 1.00, 0.23, 0.18
HSL	314°, 100%, 41%
HSV	314°, 100%, 82%
XYZ	33.0999, 16.3103, 35.5861
YIQ	81.2580, 73.1580, 94.9020

Conversions

Conversions Part 2

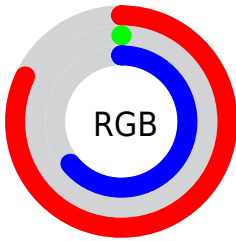
Format	Color
R_{YB}	210, 0, 162
Decimal	13762722
CIE _{Lab}	47.38, 78.59, -28.49
CIE _{LCh}	47, 83.595, 340.074
Yxy	16.3103, 0.3894, 0.1919
Android (android.graphics.Color)	4291952802 (0xFFD200A2)
YUV	81.2580, 39.8058, 112.9067
Hunter-Lab	40.3860, 75.6210, -23.9731

Details

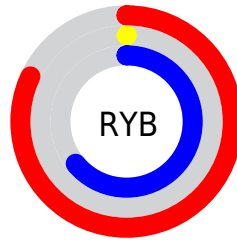
The XYZ color **33.0999, 16.3103, 35.5861** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.5814, 46.3073, 10.4959**, and the grayscale version is **7.7900, 8.1957, 8.9252**.

A 20% lighter version of the original color is **57.5915, 33.9240, 69.1582**, and **15.3921, 7.6098, 15.4094** is the 20% darker color. If you saturate the color by 10%, you get **33.0992, 16.3100, 35.5820**, and if you desaturate by 10%, it is **33.8040, 17.0221, 37.9669**.

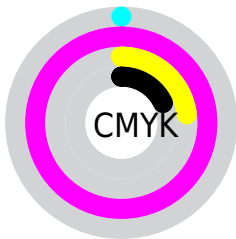
Distribution



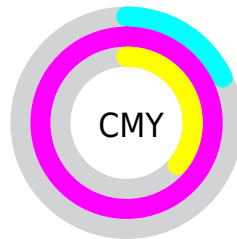
- Red (82%)
- Green (0%)
- Blue (64%)



- Red (82%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0999, 16.3103, 35.5861 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 33.0999, 16.3103, 35.5861 by changing the saturation by 10% instead.


 33.0999, 16.3103,
35.5861

 33.0999, 16.3103,
35.5861


307.7567,
231.1658, 342.1304


 22.3626, 9.7440,
23.8275


 63.8851, 37.1361,
69.5546


 14.2417, 5.2295,
14.9947


 84.6637, 52.1643,
92.6016


 8.3718, 2.3826,
8.6691


 109.5201, 70.7820,
120.2485

 4.3875, 0.8169,
4.4321

 138.8197, 93.3735,
152.9138

 1.9236, 0.0000,
1.8653

 172.9278,
120.3233, 191.0161

 0.5905, 0.0000,
0.4705

 212.2097,

 0.0000, 0.0000,

152.0156, 234.9740

0.0000

257.0309,
188.8350, 285.2059

■ 33.0999, 16.3103,
35.5861

■ 33.0999, 16.3103,
35.5861

■ 33.0992, 16.3100,
35.5820

■ 33.8040, 17.0221,
37.9669

■ 34.8160, 18.3237,
40.5315

■ 36.2345, 20.4116,
43.3137

■ 38.1132, 23.3930,
46.3323

■ 40.4974, 27.3582,
49.6033

■ 43.4269, 32.3865,
53.1405

■ 46.9373, 38.5490,
56.9569

■ 51.0613, 45.9107,
61.0640

■ 55.8291, 54.5317,
65.4727

Harmonies

Analogous

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



26.5875, 16.3103, 70.7676



33.0999, 16.3103, 35.5861



34.1600, 16.3103, 11.5414

Triad

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



33.0999, 16.3103, 35.5861



13.1440, 16.3103, 0.0000



6.9633, 16.3103, 59.0413

Complementary

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



33.0999, 16.3103, 35.5861



23.5814, 46.3073, 10.4959

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.



5.2881, 16.3103, 25.8847



33.0999, 16.3103, 35.5861



8.0270, 16.3103, 1.2657

Square

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



33.0999, 16.3103, 35.5861



20.8761, 16.3103, 0.2165



5.6030, 16.3103, 7.1754



11.1405, 16.3103, 90.2414

Rectangle

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



33.0999, 16.3103, 35.5861



31.3671, 16.3103, 4.1642



5.6030, 16.3103, 7.1754



6.1603, 16.3103, 47.0135

Sweetspot

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



33.1004, 16.3112, 35.5864



72.6209, 59.4445, 88.1592



12.7390, 5.2240, 61.3098



15.0256, 11.8095, 18.3192



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.



33.1004, 16.3112, 35.5864



51.2841, 25.2776, 54.8216



27.3820, 14.0238, 5.4735



12.1903, 11.9609, 14.2782



20.2299, 9.9648, 21.9145



1.1601, 0.5688, 1.3779

Inverse Universe

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



33.1004, 16.3112, 35.5864



51.2841, 25.2776, 54.8216



28.5934, 48.3121, 36.8886



12.1903, 11.9609, 14.2782



20.2299, 9.9648, 21.9145



1.1601, 0.5688, 1.3779

Previews

White Background



This preview shows how the XYZ color 33.0999, 16.3103, 35.5861 looks on a white background.

Color Contrast Check

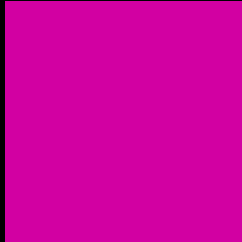
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0999, 16.3103, 35.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

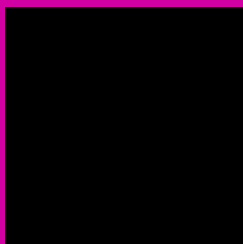
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.0999, 16.3103, 35.5861

Background



This preview shows how black text looks on a background with the XYZ color 33.0999, 16.3103, 35.5861.



This preview shows how white text looks on a background with the XYZ color 33.0999, 16.3103,

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

33.0999, 16.3103, 35.5861

Protanopia

20.4239, 17.1563, 77.0980

Deuteranopia

17.3983, 17.0805, 32.0856



Tritanopia

27.4751, 16.7685, 7.0987

Trichromacy



Original Color

33.0999, 16.3103, 35.5861



Protanomaly

18.0335, 11.2749, 58.9834



Deuteranomaly

19.6458, 12.8747, 32.9021



Tritanomaly

28.6448, 15.6670, 14.0847

Monochromacy



Original Color

33.0999, 16.3103, 35.5861



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9446, 8.1710, 15.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0999, 16.3103, 35.5861 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(210, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 162)  
}
```

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(210, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.0999, 16.3103, 35.5861 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(210, 0, 162) }
```


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

```
.border{ border-color:rgb(210, 0, 162) }
```

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

Here you see how a box with a 4 pixel rgb(210, 0, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0999, 16.3103, 35.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 162) }
```

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

```
.background{ background-color: rgb(210, 0,  
162) }
```

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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