

Converting Colors

XYZ(31.6970, 15.5554, 36.9484)

Have a look what the booklet for
XYZ(31.6970, 15.5554, 36.9484)
contains.

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Color

**XYZ(31.6934, 15.5540,
36.9291)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00A5
RGB	204, 0, 165
RGB Percent	80%, 0%, 65%
CMY	0.2000, 0.9999, 0.3529
CMYK	0.00, 1.00, 0.19, 0.20
HSL	311°, 100%, 40%
HSV	311°, 100%, 80%
XYZ	31.6934, 15.5540, 36.9291
YIQ	79.8060, 68.6190, 94.5630

Conversions

Conversions Part 2

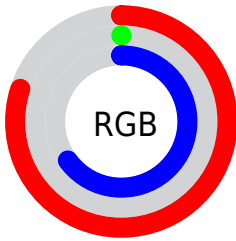
Format	Color
R_{YB}	204, 0, 165
Decimal	13369509
CIE _{Lab}	46.38, 77.83, -31.92
CIE _{LCh}	46, 84.116, 337.700
Yxy	15.5540, 0.3765, 0.1848
Android (android.graphics.Color)	4291559589 (0xFFCC00A5)
YUV	79.8060, 42.0006, 108.9181
Hunter-Lab	39.4386, 74.4277, -27.9104

Details

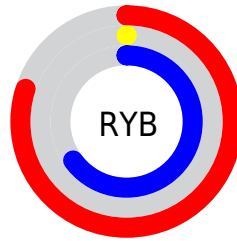
The XYZ color **31.6934, 15.5540, 36.9291** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.9602, 43.3330, 9.1291**, and the grayscale version is **7.5028, 7.8936, 8.5961**.

A 20% lighter version of the original color is **57.8994, 33.9095, 71.2037**, and **14.6577, 7.2120, 16.2423** is the 20% darker color. If you saturate the color by 10%, you get **31.6930, 15.5539, 36.9262**, and if you desaturate by 10%, it is **32.3120, 16.2141, 38.9140**.

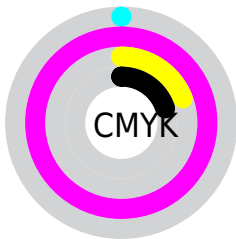
Distribution



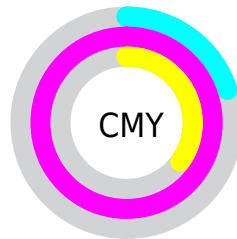
- Red (80%)
- Green (0%)
- Blue (65%)



- Red (80%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6934, 15.5540, 36.9291 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 31.6934, 15.5540, 36.9291 by changing the saturation by 10% instead.

 31.6934, 15.5540,
36.9291


 31.6934, 15.5540,
36.9291


301.4904,
226.6954, 348.1629

 21.2818, 9.2091,
24.8572


 61.6986, 35.8222,
71.6488


 13.4438, 4.8778,
15.7527


 82.0229, 50.5142,
95.1338


 7.8140, 2.1758,
9.1969


 106.3822, 68.7575,
123.2602

 4.0269, 0.7067,
4.7712

 135.1418, 90.9363,
156.4466

 1.7174, 0.0000,
2.0573

 168.6670,
117.4352, 195.1115

 0.4671, 0.0000,
0.5902

 207.3233,

 0.0000, 0.0000,

148.6383, 239.6735

0.0000

251.4760,
184.9303, 290.5511

■ 31.6934, 15.5540,
36.9291

■ 31.6934, 15.5540,
36.9291

■ 31.6930, 15.5539,
36.9262

■ 32.3120, 16.2141,
38.9140

■ 33.2129, 17.4213,
41.0467

■ 34.4894, 19.3624,
43.3591

■ 36.1916, 22.1369,
45.8681

■ 38.3614, 25.8287,
48.5883

■ 41.0357, 30.5116,
51.5323

■ 44.2478, 36.2519,
54.7118

■ 48.0280, 43.1099,
58.1371

■ 52.4044, 51.1417,
61.8181

Harmonies

Analogous

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



24.9945, 15.5540, 71.8389



31.6934, 15.5540, 36.9291



33.2348, 15.5540, 12.1500

Triad

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



31.6934, 15.5540, 36.9291



13.0014, 15.5540, 0.0000



6.2992, 15.5540, 54.7073

Complementary

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



31.6934, 15.5540, 36.9291



21.9602, 43.3330, 9.1291

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.



4.8566, 15.5540, 22.8371



31.6934, 15.5540, 36.9291



7.8189, 15.5540, 0.9381

Square

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



31.6934, 15.5540, 36.9291



20.6976, 15.5540, 0.1501



5.3041, 15.5540, 5.8903



10.1194, 15.5540, 86.7128

Rectangle

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



31.6934, 15.5540, 36.9291



30.7837, 15.5540, 4.3664



5.3041, 15.5540, 5.8903



5.5880, 15.5540, 42.9340

Sweetspot

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



31.6939, 15.5548, 36.9294



73.0437, 59.6136, 90.3853



11.6779, 4.7617, 57.4308



15.1275, 11.8502, 18.8558



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.



31.6939, 15.5548, 36.9294



52.4100, 25.7280, 60.7503



25.8456, 13.2155, 6.1326



11.5920, 11.3655, 13.6520



19.9806, 9.8028, 23.4142



1.0551, 0.5154, 1.3358

Inverse Universe

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



31.6939, 15.5548, 36.9294



52.4100, 25.7280, 60.7503



26.2837, 45.0624, 31.8965



11.5920, 11.3655, 13.6520



19.9806, 9.8028, 23.4142



1.0551, 0.5154, 1.3358

Previews

White Background



This preview shows how the XYZ color 31.6934, 15.5540, 36.9291 looks on a white background.

Color Contrast Check

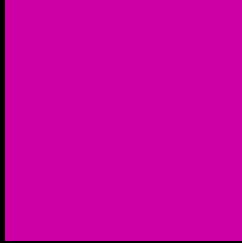
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6934, 15.5540, 36.9291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

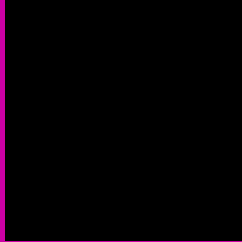
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.6934, 15.5540, 36.9291

Background



This preview shows how black text looks on a background with the XYZ color 31.6934, 15.5540, 36.9291.



This preview shows how white text looks on a background with the XYZ color 31.6934, 15.5540,

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

31.6934, 15.5540, 36.9291

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.6378, 16.3321, 33.2858



Tritanopia

25.7294, 15.9460, 7.3520

Trichromacy



Original Color

31.6934, 15.5540, 36.9291



Protanomaly

16.0927, 10.1683, 59.5070



Deuteranomaly

18.8278, 12.3280, 34.1881



Tritanomaly

26.8448, 14.7275, 14.5245

Monochromacy



Original Color

31.6934, 15.5540, 36.9291



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5105, 7.8753, 15.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6934, 15.5540, 36.9291 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(204, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 165)  
}
```

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(204, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.6934, 15.5540, 36.9291 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(204, 0, 165) }
```


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

```
.border{ border-color:rgb(204, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6934, 15.5540, 36.9291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 165) }
```

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

```
.background{ background-color: rgb(204, 0,  
165) }
```

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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