

Converting Colors

XYZ(31.4603, 15.5422, 32.0239)

Have a look what the booklet for
XYZ(31.4603, 15.5422, 32.0239)
contains.

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Color

**XYZ(31.5649, 15.5985,
31.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	CF009A
RGB	207, 0, 154
RGB Percent	81%, 0%, 60%
CMY	0.1882, 0.9999, 0.3961
CMYK	0.00, 1.00, 0.26, 0.19
HSL	315°, 100%, 41%
HSV	315°, 100%, 81%
XYZ	31.5649, 15.5985, 31.9190
YIQ	79.4490, 73.9380, 91.7780

Conversions

Conversions Part 2

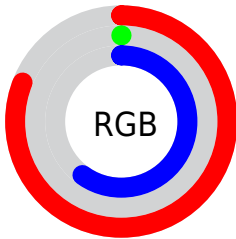
Format	Color
RYB	207, 0, 154
Decimal	13566106
CIELab	46.44, 77.10, -25.20
CIELCh	46, 81.113, 341.901
Yxy	15.5985, 0.3991, 0.1972
Android (android.graphics.Color)	4291756186 (0xFFCF009A)
YUV	79.4490, 36.7536, 111.8622
Hunter-Lab	39.4949, 73.5435, -20.2705

Details

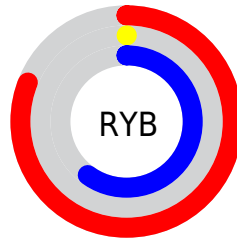
The XYZ color **31.5649, 15.5985, 31.9190** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.9568, 44.8835, 10.8259**, and the grayscale version is **7.4434, 7.8311, 8.5280**.

A 20% lighter version of the original color is **56.4897, 33.3456, 63.7806**, and **14.4808, 7.1823, 13.4551** is the 20% darker color. If you saturate the color by 10%, you get **31.5643, 15.5983, 31.9152**, and if you desaturate by 10%, it is **32.2798, 16.3058, 34.3841**.

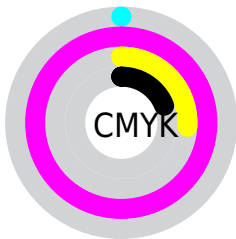
Distribution



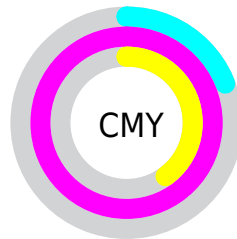
- Red (81%)
- Green (0%)
- Blue (60%)



- Red (81%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5649, 15.5985, 31.9190 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 31.5649, 15.5985, 31.9190 by changing the saturation by 10% instead.


 31.5649, 15.5985,
31.9190


 31.5649, 15.5985,
31.9190


300.9131,
226.9607, 325.2315

 21.1833, 9.2405,
21.0353


 61.4982, 35.8998,
63.7805


 13.3713, 4.8984,
12.9583


 81.7806, 50.6118,
85.5954


 7.7635, 2.1878,
7.2695


 106.0940, 68.8773,
111.8912

 3.9945, 0.7133,
3.5502

 134.8037, 91.0807,
143.0863

 1.6990, 0.0000,
1.3820

 168.2751,
117.6063, 179.5994

 0.4557, 0.0000,
0.1276

 206.8736,

 0.0000, 0.0000,

148.8386, 221.8489

0.0000

250.9644,
185.1620, 270.2534

■ 31.5649, 15.5985,
31.9190

■ 31.5649, 15.5985,
31.9190

■ 31.5643, 15.5983,
31.9152

■ 32.2798, 16.3058,
34.3841

■ 33.2957, 17.5838,
37.0469

■ 34.7088, 19.6241,
39.9406

■ 36.5709, 22.5300,
43.0838

■ 38.9257, 26.3888,
46.4921

■ 41.8118, 31.2768,
50.1795

■ 45.2636, 37.2629,
54.1587

■ 49.3127, 44.4098,
58.4411

■ 53.9882, 52.7754,
63.0376

Harmonies

Analogous

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



25.7003, 15.5985, 64.5740



31.5649, 15.5985, 31.9190



32.1898, 15.5985, 10.2340

Triad

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



31.5649, 15.5985, 31.9190



12.2300, 15.5985, 0.0493



6.9198, 15.5985, 57.6848

Complementary

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



31.5649, 15.5985, 31.9190



22.9568, 44.8835, 10.8259

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.



5.1975, 15.5985, 26.1941



31.5649, 15.5985, 31.9190



7.5549, 15.5985, 1.4392

Square

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



31.5649, 15.5985, 31.9190



19.3921, 15.5985, 0.2080



5.3862, 15.5985, 7.6319



11.0395, 15.5985, 85.8416

Rectangle

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



31.5649, 15.5985, 31.9190



29.3652, 15.5985, 3.7027



5.3862, 15.5985, 7.6319



6.1095, 15.5985, 46.4192

Sweetspot

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



31.5654, 15.5993, 31.9193



72.3147, 59.3220, 86.5468



12.6676, 5.2299, 59.3736



14.9519, 11.7800, 17.9313



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.



31.5654, 15.5993, 31.9193



50.5014, 24.9646, 50.6997



26.3475, 13.5122, 4.4419



12.1761, 11.9552, 14.2031



19.9269, 9.8436, 20.3193



1.1454, 0.5629, 1.3003

Inverse Universe

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



31.5654, 15.5993, 31.9193



50.5014, 24.9646, 50.6997



28.2516, 47.0014, 38.7078



12.1761, 11.9552, 14.2031



19.9269, 9.8436, 20.3193



1.1454, 0.5629, 1.3003

Previews

White Background



This preview shows how the XYZ color 31.5649, 15.5985, 31.9190 looks on a white background.

Color Contrast Check

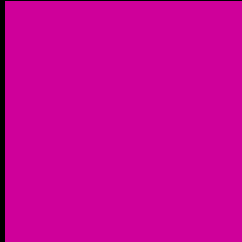
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5649, 15.5985, 31.9190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

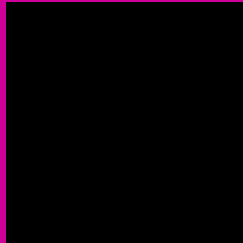
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.5649, 15.5985, 31.9190

Background



This preview shows how black text looks on a background with the XYZ color 31.5649, 15.5985, 31.9190.



This preview shows how white text looks on a background with the XYZ color 31.5649, 15.5985,

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

31.5649, 15.5985, 31.9190

Protanopia

19.3370, 16.6096, 69.2046

Deuteranopia

16.5538, 16.2296, 28.6457



Tritanopia

26.4136, 15.9870, 6.5441

Trichromacy



Original Color

31.5649, 15.5985, 31.9190



Protanomaly

17.6874, 11.1394, 52.8477



Deuteranomaly

18.8631, 12.3581, 29.4081



Tritanomaly

27.5118, 15.0106, 12.7566

Monochromacy



Original Color

31.5649, 15.5985, 31.9190



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3463, 7.7574, 14.4823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5649, 15.5985, 31.9190 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(207, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 154)  
}
```

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(207, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.5649, 15.5985, 31.9190 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(207, 0, 154) }
```


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

```
.border{ border-color:rgb(207, 0, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5649, 15.5985, 31.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 154) }
```

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

```
.background{ background-color: rgb(207, 0,  
154) }
```

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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