

Converting Colors

XYZ(31.9671, 15.5740, 42.4107)

Have a look what the booklet for
XYZ(31.9671, 15.5740, 42.4107)
contains.

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Color

**XYZ(31.9239, 15.5521,
42.3936)**

Conversions

Conversions Part 1

Format	Color
Hex	C900B0
RGB	201, 0, 176
RGB Percent	79%, 0%, 69%
CMY	0.2118, 0.9999, 0.3098
CMYK	0.00, 1.00, 0.12, 0.21
HSL	307°, 100%, 39%
HSV	307°, 100%, 79%
XYZ	31.9239, 15.5521, 42.3936
YIQ	80.1630, 63.3000, 97.3480

Conversions

Conversions Part 2

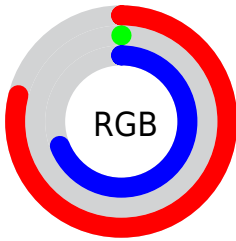
Format	Color
R_{YB}	201, 0, 176
Decimal	13172912
CIE _{Lab}	46.38, 78.67, -38.49
CIE _{LCh}	46, 87.584, 333.932
Yxy	15.5521, 0.3552, 0.1731
Android (android.graphics.Color)	4291362992 (0xFFC900B0)
YUV	80.1630, 47.2476, 105.9740
Hunter-Lab	39.4362, 75.4840, -36.1311

Details

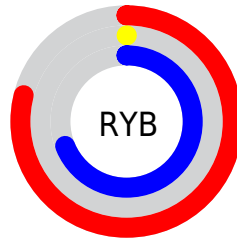
The XYZ color **31.9239, 15.5521, 42.3936** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **21.0630, 41.8442, 7.8880**, and the grayscale version is **7.5623, 7.9562, 8.6643**.

A 20% lighter version of the original color is **59.5466, 34.5684, 79.8778**, and **14.7305, 7.1808, 19.3485** is the 20% darker color. If you saturate the color by 10%, you get **31.9238, 15.5521, 42.3919**, and if you desaturate by 10%, it is **32.4264, 16.1570, 43.7932**.

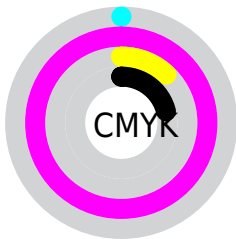
Distribution



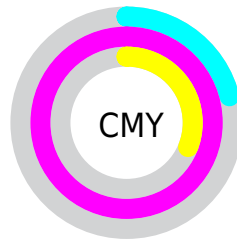
- Red (79%)
- Green (0%)
- Blue (69%)



- Red (79%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (21%)




- Cyan (21%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9239, 15.5521, 42.3936 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 31.9239, 15.5521, 42.3936 by changing the saturation by 10% instead.

 31.9239, 15.5521,
42.3936


 31.9239, 15.5521,
42.3936

302.5239,
226.6840, 371.9597


 21.4586, 9.2078,
29.0817


 62.0578, 35.8189,
80.0715


 13.5740, 4.8770,
18.8966


 82.4571, 50.5101,
105.2746

 7.9047, 2.1752,
11.4195


 106.8985, 68.7524,
135.2785

 4.0853, 0.7064,
6.2320

 135.7473, 90.9302,
170.5019

 1.7505, 0.0000,
2.9156

 169.3689,
117.4278, 211.3631

 0.4876, 0.0000,
1.0517

 208.1286,

 0.0000, 0.0000,

148.6298, 258.2808

0.0000

252.3918,
184.9204, 311.6734

■ 31.9239, 15.5521,
42.3936

■ 31.9239, 15.5521,
42.3936

■ 31.9238, 15.5521,
42.3919

■ 32.4264, 16.1570,
43.7932

■ 33.1948, 17.2870,
45.3039

■ 34.3204, 19.1238,
46.9564

■ 35.8510, 21.7634,
48.7667

■ 37.8272, 25.2865,
50.7485

■ 40.2844, 29.7644,
52.9138

■ 43.2547, 35.2607,
55.2732

■ 46.7671, 41.8338,
57.8366

■ 50.8487, 49.5376,
60.6132

Harmonies

Analogous

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



24.3999, 15.5521, 79.6706



31.9239, 15.5521, 42.3936



34.3827, 15.5521, 14.2523

Triad

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



31.9239, 15.5521, 42.3936



13.8132, 15.5521, 0.0000



5.7442, 15.5521, 52.1134

Complementary

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



31.9239, 15.5521, 42.3936



21.0630, 41.8442, 7.8880

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.



4.5468, 15.5521, 19.9318



31.9239, 15.5521, 42.3936



8.0959, 15.5521, 0.5103

Square

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



31.9239, 15.5521, 42.3936



22.0813, 15.5521, 0.0904



5.2327, 15.5521, 4.4840



9.2995, 15.5521, 87.9041

Rectangle

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



31.9239, 15.5521, 42.3936



32.3056, 15.5521, 5.0854



5.2327, 15.5521, 4.4840



5.1197, 15.5521, 39.8687

Sweetspot

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



31.9245, 15.5529, 42.3939



73.8154, 59.9223, 94.4494



10.9074, 4.4056, 55.5344



15.3141, 11.9249, 19.8388



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.



31.9245, 15.5529, 42.3939



54.5969, 26.6027, 72.2662



25.4299, 12.9551, 8.1942



11.0241, 10.7930, 13.1103



20.0955, 9.7877, 26.7762



0.9679, 0.4700, 1.3540

Inverse Universe

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



31.9245, 15.5529, 42.3939



54.5969, 26.6027, 72.2662



24.5229, 43.2282, 26.1075



11.0241, 10.7930, 13.1103



20.0955, 9.7877, 26.7762



0.9679, 0.4700, 1.3540

Previews

White Background



This preview shows how the XYZ color 31.9239, 15.5521, 42.3936 looks on a white background.

Color Contrast Check

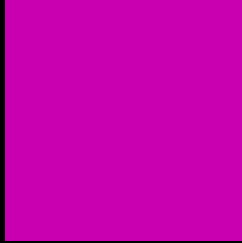
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9239, 15.5521, 42.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

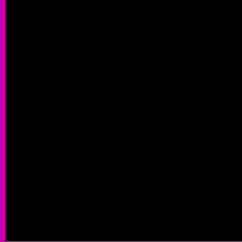
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.9239, 15.5521, 42.3936

Background



This preview shows how black text looks on a background with the XYZ color 31.9239, 15.5521, 42.3936.



This preview shows how white text looks on a background with the XYZ color 31.9239, 15.5521,

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

31.9239, 15.5521, 42.3936

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.5958, 16.2093, 37.8513



Tritanopia

25.0689, 15.9438, 8.0595

Trichromacy



Original Color

31.9239, 15.5521, 42.3936



Protanomaly

16.5086, 10.3259, 62.0958



Deuteranomaly

18.6206, 12.1169, 38.8935



Tritanomaly

26.2208, 14.5293, 16.1743

Monochromacy



Original Color

31.9239, 15.5521, 42.3936



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5905, 7.8905, 17.0791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9239, 15.5521, 42.3936 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(201, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 176)  
}
```

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(201, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.9239, 15.5521, 42.3936 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(201, 0, 176) }
```


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

```
.border{ border-color:rgb(201, 0, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9239, 15.5521, 42.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 176) }
```

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

```
.background{ background-color: rgb(201, 0,  
176) }
```

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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