

Converting Colors

XYZ(31.9561, 15.5340, 43.9619)

Have a look what the booklet for
XYZ(31.9561, 15.5340, 43.9619)
contains.

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Color

**XYZ(31.9561, 15.5340,
43.9619)**

Conversions

Conversions Part 1

Format	Color
Hex	C800B3
RGB	200, 0, 179
RGB Percent	78%, 0%, 70%
CMY	0.2157, 0.9999, 0.2980
CMYK	0.00, 1.00, 0.11, 0.22
HSL	306°, 100%, 39%
HSV	306°, 100%, 78%
XYZ	31.9561, 15.5340, 43.9619
YIQ	80.2060, 61.7410, 98.0690

Conversions

Conversions Part 2

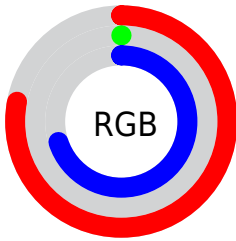
Format	Color
R_{YB}	200, 0, 179
Decimal	13107379
CIE _{Lab}	46.36, 78.90, -40.31
CIE _{LCh}	46, 88.596, 332.937
Yxy	15.5340, 0.3494, 0.1699
Android (android.graphics.Color)	4291297459 (0xFFC800B3)
YUV	80.2060, 48.7054, 105.0593
Hunter-Lab	39.4132, 75.7542, -38.5435

Details

The XYZ color **31.9561, 15.5340, 43.9619** 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 **20.7905, 41.3634, 7.5990**, and the grayscale version is **7.5679, 7.9620, 8.6706**.

A 20% lighter version of the original color is **59.9765, 34.7403, 82.1417**, and **14.7504, 7.1691, 20.3450** is the 20% darker color. If you saturate the color by 10%, you get **31.9561, 15.5341, 43.9606**, and if you desaturate by 10%, it is **32.4211, 16.1211, 45.1731**.

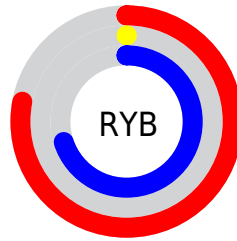
Distribution



Red (78%)

Green (0%)

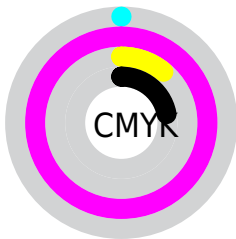
Blue (70%)



Red (78%)

Yellow (0%)

Blue (70%)

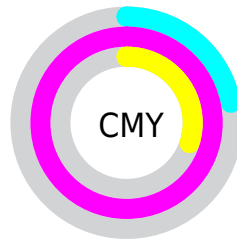


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9561, 15.5340, 43.9619 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 31.9561, 15.5340, 43.9619 by changing the saturation by 10% instead.


 31.9561, 15.5340,
43.9619

 31.9561, 15.5340,
43.9619


302.6681,
226.5760, 378.5896

 21.4834, 9.1950,
30.3036


 62.1079, 35.7873,
82.4623


 13.5922, 4.8686,
19.8151


 82.5177, 50.4704,
108.1414


 7.9174, 2.1704,
12.0780


 106.9705, 68.7036,
138.6646

 4.0935, 0.7038,
6.6736

 135.8318, 90.8714,
174.4503

 1.7552, 0.0000,
3.1835

 169.4668,
117.3582, 215.9171

 0.4904, 0.0000,
1.1891

 208.2410,

 0.0000, 0.0000,

148.5483, 263.4836

0.0000

252.5196,
184.8261, 317.5682

■ 31.9561, 15.5340,
43.9619

■ 31.9561, 15.5340,
43.9619

■ 31.9561, 15.5341,
43.9606

■ 32.4211, 16.1211,
45.1731

■ 33.1476, 17.2262,
46.4874

■ 34.2258, 19.0296,
47.9351

■ 35.7031, 21.6260,
49.5320

■ 37.6194, 25.0951,
51.2914

■ 40.0099, 29.5073,
53.2252

■ 42.9061, 34.9256,
55.3440

■ 46.3368, 41.4074,
57.6574

■ 50.3285, 49.0062,
60.1743

Harmonies

Analogous

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



24.2108, 15.5340, 81.8732



31.9561, 15.5340, 43.9619



34.6724, 15.5340, 14.8605

Triad

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



31.9561, 15.5340, 43.9619



14.0290, 15.5340, 0.0000



5.5883, 15.5340, 51.3570

Complementary

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



31.9561, 15.5340, 43.9619



20.7905, 41.3634, 7.5990

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.



4.4568, 15.5340, 19.1482



31.9561, 15.5340, 43.9619



8.1639, 15.5340, 0.3894

Square

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



31.9561, 15.5340, 43.9619



22.4533, 15.5340, 0.0720



5.2059, 15.5340, 4.1309



9.0683, 15.5340, 88.1584

Rectangle

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



31.9561, 15.5340, 43.9619



32.7052, 15.5340, 5.2913



5.2059, 15.5340, 4.1309



4.9874, 15.5340, 39.0034

Sweetspot

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



31.9567, 15.5348, 43.9622



74.0433, 60.0134, 95.6496



10.7147, 4.3198, 54.9132



15.3694, 11.9470, 20.1299



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.



31.9567, 15.5348, 43.9622



55.2742, 26.8737, 75.8333



25.2686, 12.8595, 8.7430



11.0333, 10.7967, 13.1584



20.3383, 9.8849, 28.0551



0.9772, 0.4737, 1.4029

Inverse Universe

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



31.9567, 15.5348, 43.9622



55.2742, 26.8737, 75.8333



24.0457, 42.6655, 24.7409



11.0333, 10.7967, 13.1584



20.3383, 9.8849, 28.0551



0.9772, 0.4737, 1.4029

Previews

White Background



This preview shows how the XYZ color 31.9561, 15.5340, 43.9619 looks on a white background.

Color Contrast Check

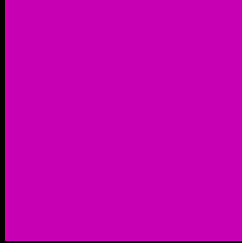
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9561, 15.5340, 43.9619 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 31.9561, 15.5340, 43.9619

Background



This preview shows how black text looks on a background with the XYZ color 31.9561, 15.5340, 43.9619.



This preview shows how white text looks on a background with the XYZ color 31.9561, 15.5340,

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

31.9561, 15.5340, 43.9619

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.5901, 16.1745, 39.2934



Tritanopia

24.6954, 15.8355, 8.4116

Trichromacy



Original Color

31.9561, 15.5340, 43.9619



Protanomaly

16.6336, 10.3759, 62.7541



Deuteranomaly

18.4520, 11.9971, 40.3729



Tritanomaly

26.1672, 14.5384, 17.0498

Monochromacy



Original Color

31.9561, 15.5340, 43.9619



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.6484, 7.9137, 17.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9561, 15.5340, 43.9619 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(200, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 179)  
}
```

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(200, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.9561, 15.5340, 43.9619 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(200, 0, 179) }
```


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

```
.border{ border-color:rgb(200, 0, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9561, 15.5340, 43.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 179) }
```

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

```
.background{ background-color: rgb(200, 0,  
179) }
```

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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