

Converting Colors

XYZ(31.5127, 15.4817, 35.9777)

Have a look what the booklet for
XYZ(31.5127, 15.4817, 35.9777)
contains.

| | |
|--|----|
| XYZ(31.5127, 15.4817, 35.9777) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(31.5127, 15.4817,
35.9777)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CC00A3 |
| RGB | 204, 0, 163 |
| RGB Percent | 80%, 0%, 64% |
| CMY | 0.2000, 0.9999, 0.3608 |
| CMYK | 0.00, 1.00, 0.20, 0.20 |
| HSL | 312°, 100%, 40% |
| HSV | 312°, 100%, 80% |
| XYZ | 31.5127, 15.4817, 35.9777 |
| YIQ | 79.5780, 69.2610, 93.9410 |

Conversions

Conversions Part 2

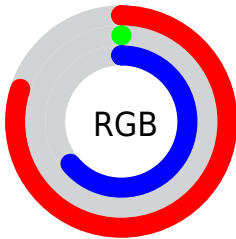
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 204, 0, 163 |
| Decimal | 13369507 |
| CIELab | 46.29, 77.58, -30.88 |
| CIELCh | 46, 83.501, 338.298 |
| Yxy | 15.4817, 0.3798, 0.1866 |
| Android (android.graphics.Color) | 4291559587 (0xFFCC00A3) |
| YUV | 79.5780, 41.1270, 109.1181 |
| Hunter-Lab | 39.3468, 74.1031, -26.6705 |

Details

The XYZ color **31.5127, 15.4817, 35.9777** 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 **21.9942, 43.3465, 9.3083**, and the grayscale version is **7.4604, 7.8489, 8.5475**.

A 20% lighter version of the original color is **57.6360, 33.8041, 69.8168**, and **14.5463, 7.1674, 15.6557** is the 20% darker color. If you saturate the color by 10%, you get **31.5123, 15.4816, 35.9748**, and if you desaturate by 10%, it is **32.1442, 16.1469, 38.0307**.

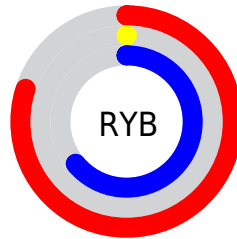
Distribution



Red (80%)

Green (0%)

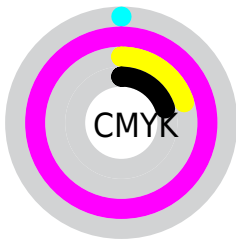
Blue (64%)



Red (80%)

Yellow (0%)

Blue (64%)

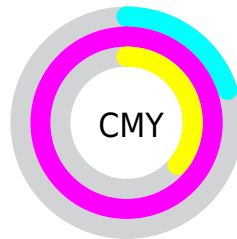


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5127, 15.4817, 35.9777 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 31.5127, 15.4817, 35.9777 by changing the saturation by 10% instead.


 31.5127, 15.4817,
35.9777


 31.5127, 15.4817,
35.9777


300.6783,
226.2636, 343.8975

 21.1433, 9.1581,
24.1274


 61.4167, 35.6960,
70.1663

 13.3419, 4.8445,
15.2151


 81.6821, 50.3556,
93.3417


 7.7430, 2.1563,
8.8222


 105.9768, 68.5626,
121.1292

 3.9813, 0.6960,
4.5302

 134.6662, 90.7015,
153.9474

 1.6916, 0.0000,
1.9205

 168.1158,
117.1567, 192.2148

 0.4510, 0.0000,
0.5057

 206.6907,

 0.0000, 0.0000,

148.3125, 236.3499

0.0000

250.7564,
184.5533, 286.7713

■ 31.5127, 15.4817,
35.9777

■ 31.5127, 15.4817,
35.9777

■ 31.5123, 15.4816,
35.9748

■ 32.1442, 16.1469,
38.0307

■ 33.0591, 17.3598,
40.2373

■ 34.3508, 19.3069,
42.6294

■ 36.0692, 22.0878,
45.2242

■ 38.2564, 25.7866,
48.0361

■ 40.9493, 30.4769,
51.0780

■ 44.1812, 36.2250,
54.3615

■ 47.9823, 43.0914,
57.8972

■ 52.3808, 51.1320,
61.6950

Harmonies

Analogous

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



24.9694, 15.4817, 70.3758



31.5127, 15.4817, 35.9777



32.9109, 15.4817, 11.7949

Triad

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



31.5127, 15.4817, 35.9777



12.8210, 15.4817, 0.0000



6.3559, 15.4817, 54.8555

Complementary

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



31.5127, 15.4817, 35.9777



21.9942, 43.3465, 9.3083

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.



4.8812, 15.4817, 23.1926



31.5127, 15.4817, 35.9777



7.7406, 15.4817, 0.9984

Square

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



31.5127, 15.4817, 35.9777



20.3980, 15.4817, 0.1554



5.2896, 15.4817, 6.0969



10.1995, 15.4817, 86.1390

Rectangle

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



31.5127, 15.4817, 35.9777



30.4164, 15.4817, 4.2432



5.2896, 15.4817, 6.0969



5.6344, 15.4817, 43.2124

Sweetspot

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



31.5132, 15.4825, 35.9780



72.9322, 59.5690, 89.7984



11.8070, 4.8282, 57.4367



15.1006, 11.8395, 18.7142



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.



31.5132, 15.4825, 35.9780



52.1081, 25.6072, 59.1607



25.7507, 13.1775, 5.6327



11.5871, 11.3636, 13.6265



19.8680, 9.7578, 22.8214



1.0502, 0.5135, 1.3100

Inverse Universe

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



31.5132, 15.4825, 35.9780



52.1081, 25.6072, 59.1607



26.5370, 45.1636, 33.2301



11.5871, 11.3636, 13.6265



19.8680, 9.7578, 22.8214



1.0502, 0.5135, 1.3100

Previews

White Background



This preview shows how the XYZ color 31.5127, 15.4817, 35.9777 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 31.5127, 15.4817, 35.9777 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 31.5127, 15.4817, 35.9777

Background



This preview shows how black text looks on a background with the XYZ color 31.5127, 15.4817, 35.9777.



This preview shows how white text looks on a background with the XYZ color 31.5127, 15.4817,

35.9777.

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

31.5127, 15.4817, 35.9777

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.4713, 16.1044, 32.3773



Tritanopia

25.6417, 15.8199, 7.1709

Trichromacy



Original Color

31.5127, 15.4817, 35.9777



Protanomaly

15.9716, 10.1199, 58.8691



Deuteranomaly

18.5925, 12.1330, 33.2603



Tritanomaly

26.7943, 14.7073, 14.2585

Monochromacy



Original Color

31.5127, 15.4817, 35.9777



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.4557, 7.8534, 15.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5127, 15.4817, 35.9777 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.5127, 15.4817, 35.9777 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, 163) }
```


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

```
.border{ border-color:rgb(204, 0, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5127, 15.4817, 35.9777 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, 163) }
```

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

```
.background{ background-color: rgb(204, 0,  
163) }
```

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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