

Converting Colors

XYZ(31.9657, 15.8271, 30.9470)

Have a look what the booklet for
XYZ(31.9657, 15.8271, 30.9470)
contains.

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Color

**XYZ(31.9620, 15.8223,
31.0752)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | D10098 |
| RGB | 209, 0, 152 |
| RGB Percent | 82%, 0%, 60% |
| CMY | 0.1804, 0.9999, 0.4039 |
| CMYK | 0.00, 1.00, 0.27, 0.18 |
| HSL | 316°, 100%, 41% |
| HSV | 316°, 100%, 82% |
| XYZ | 31.9620, 15.8223, 31.0752 |
| YIQ | 79.8190, 75.7720, 91.5800 |

Conversions

Conversions Part 2

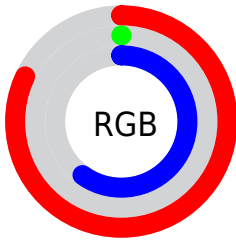
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 209, 0, 152 |
| Decimal | 13697176 |
| CIE _{Lab} | 46.74, 77.26, -23.51 |
| CIE _{LCh} | 47, 80.761, 343.079 |
| Yxy | 15.8223, 0.4053, 0.2006 |
| Android (android.graphics.Color) | 4291887256 (0xFFD10098) |
| YUV | 79.8190, 35.5852, 113.2917 |
| Hunter-Lab | 39.7773, 73.8189, -18.4751 |

Details

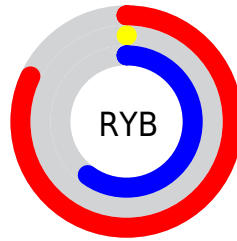
The XYZ color **31.9620, 15.8223, 31.0752** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.5404, 45.8971, 11.4940**, and the grayscale version is **7.5167, 7.9081, 8.6120**.

A 20% lighter version of the original color is **56.1217, 33.1984, 61.8425**, and **14.7434, 7.3291, 12.9495** is the 20% darker color. If you saturate the color by 10%, you get **31.9613, 15.8220, 31.0710**, and if you desaturate by 10%, it is **32.7075, 16.5477, 33.6833**.

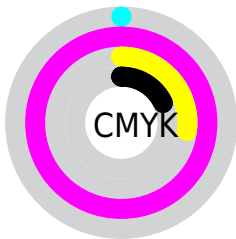
Distribution



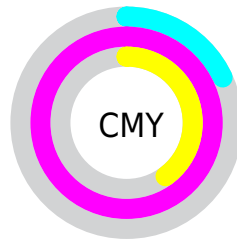
- Red (82%)
- Green (0%)
- Blue (60%)



- Red (82%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9620, 15.8223, 31.0752 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 31.9620, 15.8223, 31.0752 by changing the saturation by 10% instead.

 31.9620, 15.8223,
31.0752


 31.9620, 15.8223,
31.0752


302.6945,
228.2909, 321.2465


 21.4879, 9.3985,
20.3972


 62.1171, 36.2894,
62.4394

 13.5956, 5.0020,
12.4971


 82.5288, 51.1016,
83.9627

 7.9197, 2.2484,
6.9566


 106.9837, 69.4786,
109.9381

 4.0950, 0.7462,
3.3569

 135.8473, 91.8049,
140.7842

 1.7560, 0.0000,
1.2796

 169.4848,
118.4649, 176.9196

 0.4910, 0.0000,
0.0450

 208.2616,

 0.0000, 0.0000,

149.8429, 218.7627

0.0000

252.5430,
186.3235, 266.7322

■ 31.9620, 15.8223,
31.0752

■ 31.9620, 15.8223,
31.0752

■ 31.9613, 15.8220,
31.0710

■ 32.7075, 16.5477,
33.6833

■ 33.7637, 17.8585,
36.5071

■ 35.2287, 19.9497,
39.5809

■ 37.1554, 22.9272,
42.9238

■ 39.5889, 26.8803,
46.5523

■ 42.5685, 31.8874,
50.4807

■ 46.1296, 38.0188,
54.7224

■ 50.3046, 45.3388,
59.2894

■ 55.1235, 53.9069,
64.1931

Harmonies

Analogous

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



26.2456, 15.8223, 63.5740



31.9620, 15.8223, 31.0752



32.3499, 15.8223, 9.8879

Triad

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



31.9620, 15.8223, 31.0752



12.1910, 15.8223, 0.1343



7.1882, 15.8223, 59.3059

Complementary

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



31.9620, 15.8223, 31.0752



23.5404, 45.8971, 11.4940

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.



5.3623, 15.8223, 27.5183



31.9620, 15.8223, 31.0752



7.5857, 15.8223, 1.6194

Square

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



31.9620, 15.8223, 31.0752



19.3107, 15.8223, 0.2323



5.4807, 15.8223, 8.2609



11.4483, 15.8223, 86.7891

Rectangle

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



31.9620, 15.8223, 31.0752



29.3886, 15.8223, 3.5836



5.4807, 15.8223, 8.2609



6.3386, 15.8223, 48.0357

Sweetspot

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



31.9625, 15.8232, 31.0755



72.1304, 59.2483, 85.5763



13.1266, 5.4381, 60.6796



14.9076, 11.7623, 17.6981



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.



31.9625, 15.8232, 31.0755



50.0438, 24.7815, 48.2899



26.8450, 13.7762, 4.1272



12.1675, 11.9517, 14.1576



19.7496, 9.7727, 19.3854



1.1367, 0.5594, 1.2544

Inverse Universe

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



31.9625, 15.8232, 31.0755



50.0438, 24.7815, 48.2899



29.1674, 48.1479, 41.1251



12.1675, 11.9517, 14.1576



19.7496, 9.7727, 19.3854



1.1367, 0.5594, 1.2544

Previews

White Background



This preview shows how the XYZ color 31.9620, 15.8223, 31.0752 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 31.9620, 15.8223, 31.0752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

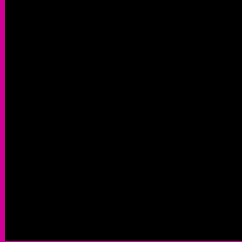
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.9620, 15.8223, 31.0752

Background



This preview shows how black text looks on a background with the XYZ color 31.9620, 15.8223, 31.0752.



This preview shows how white text looks on a background with the XYZ color 31.9620, 15.8223,

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

31.9620, 15.8223, 31.0752

Protanopia

19.2795, 16.6252, 67.1586

Deuteranopia

16.8736, 16.5731, 27.9008



Tritanopia

26.8702, 16.1472, 6.4031

Trichromacy



Original Color

31.9620, 15.8223, 31.0752



Protanomaly

18.0604, 11.3577, 51.6924



Deuteranomaly

19.1186, 12.6015, 28.6188



Tritanomaly

27.9355, 15.1916, 12.2864

Monochromacy



Original Color

31.9620, 15.8223, 31.0752



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5377, 7.9203, 14.5036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9620, 15.8223, 31.0752 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(209, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 152)  
}
```

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(209, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.9620, 15.8223, 31.0752 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(209, 0, 152) }
```


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

```
.border{ border-color:rgb(209, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9620, 15.8223, 31.0752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 152) }
```

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

```
.background{ background-color: rgb(209, 0,  
152) }
```

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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