

Converting Colors

XYZ(32.0319, 16.1979, 15.7375)

Have a look what the booklet for
XYZ(32.0319, 16.1979, 15.7375)
contains.

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Color

**XYZ(31.9202, 16.1428,
15.6208)**

Conversions

Conversions Part 1

Format	Color
Hex	DB006C
RGB	219, 0, 108
RGB Percent	86%, 0%, 42%
CMY	0.1412, 0.9998, 0.5765
CMYK	0.00, 1.00, 0.51, 0.14
HSL	330°, 100%, 43%
HSV	330°, 100%, 86%
XYZ	31.9202, 16.1428, 15.6208
YIQ	77.7930, 95.8560, 80.0160

Conversions

Conversions Part 2

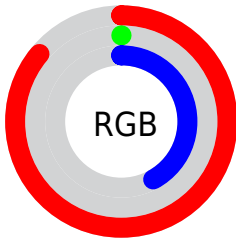
Format	Color
R_{YB}	219, 0, 108
Decimal	14352492
CIE _{Lab}	47.16, 75.30, 4.20
CIE _{LCh}	47, 75.416, 3.192
Yxy	16.1428, 0.5012, 0.2535
Android (android.graphics.Color)	4292542572 (0xFFDB006C)
YUV	77.7930, 14.8921, 123.8385
Hunter-Lab	40.1781, 71.5008, 5.0734

Details

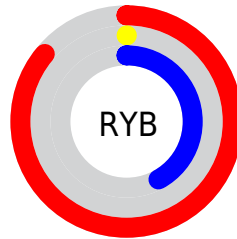
The XYZ color **31.9202, 16.1428, 15.6208** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.2039, 51.8119, 23.5668**, and the grayscale version is **7.1676, 7.5409, 8.2120**.

A 20% lighter version of the original color is **51.2391, 31.2454, 36.1312**, and **14.7469, 7.5050, 5.0862** is the 20% darker color. If you saturate the color by 10%, you get **31.9188, 16.1422, 15.6141**, and if you desaturate by 10%, it is **32.8352, 16.9662, 19.0292**.

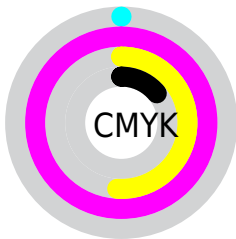
Distribution



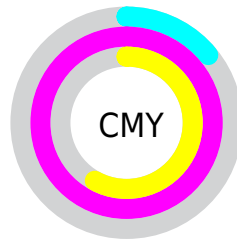
- Red (86%)
- Green (0%)
- Blue (42%)



- Red (86%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9202, 16.1428, 15.6208 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 31.9202, 16.1428, 15.6208 by changing the saturation by 10% instead.


 31.9202, 16.1428,
15.6208


 31.9202, 16.1428,
15.6208


302.5073,
230.1829, 238.8624


 21.4558, 9.6253,
9.1048


 62.0520, 36.8459,
36.6962


 13.5719, 5.1512,
4.7118


 82.4501, 51.8003,
52.0927


 7.9033, 2.3363,
2.0234


 106.8902, 70.3358,
71.2864

 4.0844, 0.7928,
0.5696

 135.7376, 92.8367,
94.6959

 1.7500, 0.0000,
0.0000

 169.3576,
119.6875, 122.7397

 0.4873, 0.0000,
0.0000

 208.1157,

 0.0000, 0.0000,

151.2725, 155.8364

0.0000

252.3772,
187.9762, 194.4044

■ 31.9202, 16.1428,
15.6208

■ 31.9202, 16.1428,
15.6208

■ 31.9188, 16.1422,
15.6141

■ 32.8352, 16.9662,
19.0292

■ 34.1514, 18.4673,
22.9558

■ 35.9774, 20.8593,
27.4493

■ 38.3753, 24.2622,
32.5424

■ 41.3974, 28.7772,
38.2640

■ 45.0899, 34.4931,
44.6405

■ 49.4943, 41.4895,
51.6963

■ 54.6488, 49.8393,
59.4543

■ 60.5886, 59.6097,
67.9363

Harmonies

Analogous

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



29.7693, 16.1428, 39.7258



31.9202, 16.1428, 15.6208



28.6784, 16.1428, 4.2068

Triad

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



31.9202, 16.1428, 15.6208



9.3679, 16.1428, 1.3065



10.2811, 16.1428, 74.4659

Complementary

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



31.9202, 16.1428, 15.6208



28.2039, 51.8119, 23.5668

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.



6.9552, 16.1428, 46.1052



31.9202, 16.1428, 15.6208



6.5446, 16.1428, 5.7157

Square

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



31.9202, 16.1428, 15.6208



14.6441, 16.1428, 0.4204



5.8087, 16.1428, 19.6895



16.0642, 16.1428, 85.0598

Rectangle

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



31.9202, 16.1428, 15.6208



24.3208, 16.1428, 1.5544



5.8087, 16.1428, 19.6895



8.9015, 16.1428, 66.0224

Sweetspot

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



31.9206, 16.1438, 15.6210



69.6829, 58.2693, 72.6878



19.1580, 8.4000, 67.6293



14.3247, 11.5291, 14.6285



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.



31.9206, 16.1438, 15.6210



44.9882, 22.7593, 21.6678



29.2141, 15.0612, 1.3687



13.3223, 13.1580, 14.9586



18.9815, 9.5937, 9.5488



1.2732, 0.6389, 0.8476

Inverse Universe

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



31.9206, 16.1438, 15.6210



44.9882, 22.7593, 21.6678



38.1182, 55.7776, 75.7747



13.3223, 13.1580, 14.9586



18.9815, 9.5937, 9.5488



1.2732, 0.6389, 0.8476

Previews

White Background



This preview shows how the XYZ color 31.9202, 16.1428, 15.6208 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 31.9202, 16.1428, 15.6208 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 31.9202, 16.1428, 15.6208

Background



This preview shows how black text looks on a background with the XYZ color 31.9202, 16.1428, 15.6208.



This preview shows how white text looks on a background with the XYZ color 31.9202, 16.1428,

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

31.9202, 16.1428, 15.6208

Protanopia

17.1617, 16.7553, 33.7821

Deuteranopia

17.0340, 16.7985, 14.1490



Tritanopia

29.6188, 16.5011, 3.9094

Trichromacy



Original Color

31.9202, 16.1428, 15.6208



Protanomaly

18.4150, 12.2998, 25.8296



Deuteranomaly

19.4887, 13.0210, 14.0565



Tritanomaly

30.0203, 15.9408, 6.8048

Monochromacy



Original Color

31.9202, 16.1428, 15.6208



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9970, 7.6696, 10.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9202, 16.1428, 15.6208 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(219, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 108)  
}
```

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(219, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.9202, 16.1428, 15.6208 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(219, 0, 108) }
```


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

```
.border{ border-color:rgb(219, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9202, 16.1428, 15.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 108) }
```

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

```
.background{ background-color: rgb(219, 0,  
108) }
```

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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