

Converting Colors

XYZ(31.6738, 16.0096, 15.8888)

Have a look what the booklet for
XYZ(31.6738, 16.0096, 15.8888)
contains.

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Color

**XYZ(31.6738, 16.0096,
15.8888)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DA006D |
| RGB | 218, 0, 109 |
| RGB Percent | 85%, 0%, 43% |
| CMY | 0.1451, 0.9998, 0.5725 |
| CMYK | 0.00, 1.00, 0.50, 0.15 |
| HSL | 330°, 100%, 43% |
| HSV | 330°, 100%, 85% |
| XYZ | 31.6738, 16.0096, 15.8888 |
| YIQ | 77.6080, 94.9390, 80.1150 |

Conversions

Conversions Part 2

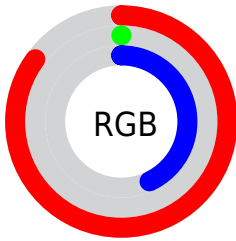
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 218, 0, 109 |
| Decimal | 14286957 |
| CIE _{Lab} | 46.99, 75.15, 3.30 |
| CIE _{LCh} | 47, 75.226, 2.517 |
| Yxy | 16.0096, 0.4982, 0.2518 |
| Android (android.graphics.Color) | 4292477037 (0xFFDA006D) |
| YUV | 77.6080, 15.4763, 123.1238 |
| Hunter-Lab | 40.0120, 71.2810, 4.4643 |

Details

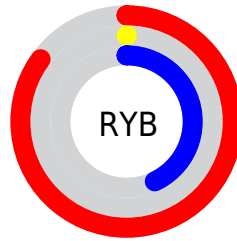
The XYZ color **31.6738, 16.0096, 15.8888** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.8348, 51.2481, 22.9061**, and the grayscale version is **7.1320, 7.5034, 8.1712**.

A 20% lighter version of the original color is **51.3262, 31.2802, 36.5902**, and **14.5798, 7.4157, 5.2204** is the 20% darker color. If you saturate the color by 10%, you get **31.6724, 16.0090, 15.8821**, and if you desaturate by 10%, it is **32.5816, 16.8271, 19.2691**.

Distribution



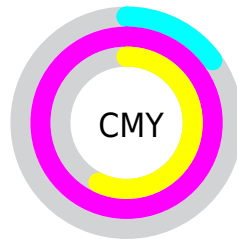
- Red (85%)
- Green (0%)
- Blue (43%)



- Red (85%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6738, 16.0096, 15.8888 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 31.6738, 16.0096, 15.8888 by changing the saturation by 10% instead.

 31.6738, 16.0096,
15.8888


 31.6738, 16.0096,
15.8888


301.4024,
229.3984, 240.5079


 21.2668, 9.5309,
9.2920


 61.6680, 36.6149,
37.1691


 13.4327, 5.0891,
4.8327


 81.9859, 51.5103,
52.6898

 7.8062, 2.2996,
2.0924


 106.3382, 69.9801,
72.0221

 4.0220, 0.7735,
0.6113

 135.0902, 92.4086,
95.5846

 1.7146, 0.0000,
0.0000

 168.6073,
119.1803, 123.7960

 0.4654, 0.0000,
0.0000

 207.2547,

 0.0000, 0.0000,

150.6796, 157.0746

0.0000

251.3980,
187.2908, 195.8391

■ 31.6738, 16.0096,
15.8888

■ 31.6738, 16.0096,
15.8888

■ 31.6724, 16.0090,
15.8821

■ 32.5816, 16.8271,
19.2691

■ 33.8845, 18.3140,
23.1526

■ 35.6900, 20.6818,
27.5871

■ 38.0592, 24.0490,
32.6042

■ 41.0439, 28.5156,
38.2321

■ 44.6897, 34.1692,
44.4964

■ 49.0374, 41.0888,
51.4208

■ 54.1248, 49.3462,
59.0274

■ 59.9865, 59.0079,
67.3373

Harmonies

Analogous

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



29.4222, 16.0096, 40.0624



31.6738, 16.0096, 15.8888



28.5685, 16.0096, 4.3099

Triad

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



31.6738, 16.0096, 15.8888



9.3798, 16.0096, 1.2540



10.0940, 16.0096, 73.3628

Complementary

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



31.6738, 16.0096, 15.8888



27.8348, 51.2481, 22.9061

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.



6.8488, 16.0096, 45.0552



31.6738, 16.0096, 15.8888



6.5277, 16.0096, 5.4891

Square

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



31.6738, 16.0096, 15.8888



14.6679, 16.0096, 0.4096



5.7554, 16.0096, 19.0715



15.7789, 16.0096, 84.4434

Rectangle

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



31.6738, 16.0096, 15.8888



24.2844, 16.0096, 1.5919



5.7554, 16.0096, 19.0715



8.7445, 16.0096, 64.8734

Sweetspot

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



31.6742, 16.0106, 15.8890



69.7509, 58.2965, 73.0458



18.9650, 8.3157, 66.9350



14.3407, 11.5355, 14.7131



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.



31.6742, 16.0106, 15.8890



45.1017, 22.8047, 22.2652



28.9141, 14.9065, 1.3547



13.3261, 13.1596, 14.9787



19.0295, 9.6128, 9.8012



1.2763, 0.6402, 0.8640

Inverse Universe

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



31.6742, 16.0106, 15.8890



45.1017, 22.8047, 22.2652



37.7268, 55.2049, 74.9967



13.3261, 13.1596, 14.9787



19.0295, 9.6128, 9.8012



1.2763, 0.6402, 0.8640

Previews

White Background



This preview shows how the XYZ color 31.6738, 16.0096, 15.8888 looks on a white background.

Color Contrast Check

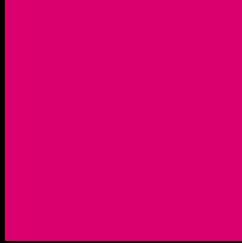
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6738, 16.0096, 15.8888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

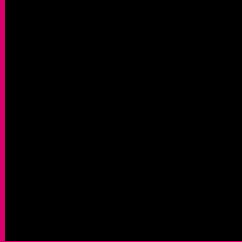
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.6738, 16.0096, 15.8888

Background



This preview shows how black text looks on a background with the XYZ color 31.6738, 16.0096, 15.8888.



This preview shows how white text looks on a background with the XYZ color 31.6738, 16.0096,

15.8888.

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

31.6738, 16.0096, 15.8888

Protanopia

17.2213, 16.7663, 34.6763

Deuteranopia

16.8221, 16.5245, 14.3595



Tritanopia

29.3243, 16.3492, 3.8957

Trichromacy



Original Color

31.6738, 16.0096, 15.8888



Protanomaly

18.3146, 12.2396, 26.2081



Deuteranomaly

19.2742, 12.8126, 14.2892



Tritanomaly

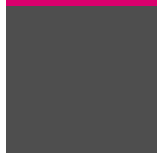
29.7240, 15.7880, 6.7910

Monochromacy



Original Color

31.6738, 16.0096, 15.8888



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 31.6738, 16.0096, 15.8888 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(218, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 109)  
}
```

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(218, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.6738, 16.0096, 15.8888 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(218, 0, 109) }
```


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

```
.border{ border-color:rgb(218, 0, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 0, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6738, 16.0096, 15.8888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 109) }
```

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

```
.background{ background-color: rgb(218, 0,  
109) }
```

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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