

Converting Colors

XYZ(31.5370, 15.9999, 13.1312)

Have a look what the booklet for
XYZ(31.5370, 15.9999, 13.1312)
contains.

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Color

**XYZ(31.4655, 15.9609,
13.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0063
RGB	219, 0, 99
RGB Percent	86%, 0%, 39%
CMY	0.1412, 0.9998, 0.6118
CMYK	0.00, 1.00, 0.55, 0.14
HSL	333°, 100%, 43%
HSV	333°, 100%, 86%
XYZ	31.4655, 15.9609, 13.2267
YIQ	76.7670, 98.7450, 77.2170

Conversions

Conversions Part 2

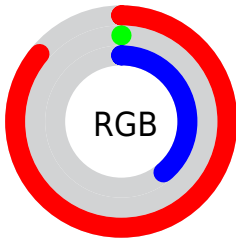
Format	Color
R_{YB}	219, 0, 99
Decimal	14352483
CIE _{Lab}	46.92, 74.67, 9.44
CIE _{LCh}	47, 75.261, 7.203
Yxy	15.9609, 0.5188, 0.2632
Android (android.graphics.Color)	4292542563 (0xFFDB0063)
YUV	76.7670, 10.9609, 124.7383
Hunter-Lab	39.9511, 70.6723, 8.3365

Details

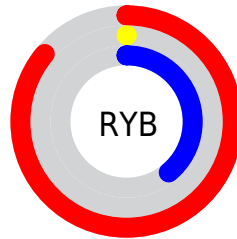
The XYZ color **31.4655, 15.9609, 13.2267** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.7250, 52.0203, 26.3111**, and the grayscale version is **6.9831, 7.3468, 8.0007**.

A 20% lighter version of the original color is **50.4059, 30.9121, 31.7437**, and **14.5472, 7.4251, 4.0346** is the 20% darker color. If you saturate the color by 10%, you get **31.4641, 15.9603, 13.2202**, and if you desaturate by 10%, it is **32.3685, 16.7796, 16.5725**.

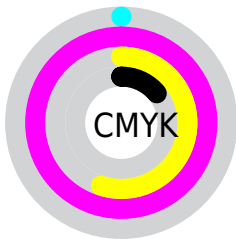
Distribution



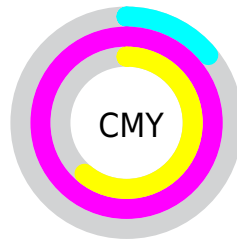
- Red (86%)
- Green (0%)
- Blue (39%)



- Red (86%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4655, 15.9609, 13.2267 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 31.4655, 15.9609, 13.2267 by changing the saturation by 10% instead.


 31.4655, 15.9609,
13.2267


 31.4655, 15.9609,
13.2267


300.4659,
229.1109, 223.6241


 21.1071, 9.4965,
7.4523


 61.3431, 36.5303,
32.4076


 13.3152, 5.0664,
3.6638


 81.5930, 51.4041,
46.6512


 7.7245, 2.2863,
1.4428


 105.8708, 69.8498,
64.5548

 3.9695, 0.7664,
0.1748

 134.5419, 92.2518,
86.5372

 1.6849, 0.0000,
0.0000

 167.9716,
118.9945, 113.0168

 0.4468, 0.0000,
0.0000

 206.5253,

 0.0000, 0.0000,

150.4624, 144.4121

0.0000

250.5683,
187.0397, 181.1417

■ 31.4655, 15.9609,
13.2267

■ 31.4655, 15.9609,
13.2267

■ 31.4641, 15.9603,
13.2202

■ 32.3685, 16.7796,
16.5725

■ 33.6837, 18.2802,
20.4937

■ 35.5205, 20.6764,
25.0434

■ 37.9414, 24.0886,
30.2578

■ 40.9996, 28.6180,
36.1696

■ 44.7419, 34.3538,
42.8085

■ 49.2105, 41.3759,
50.2022

■ 54.4440, 49.7572,
58.3765

■ 60.4782, 59.5654,
67.3559

Harmonies

Analogous

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



30.0451, 15.9609, 35.4971



31.4655, 15.9609, 13.2267



27.6163, 15.9609, 3.4003

Triad

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



31.4655, 15.9609, 13.2267



8.7439, 15.9609, 1.5568



10.7843, 15.9609, 76.5918

Complementary

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



31.4655, 15.9609, 13.2267



28.7250, 52.0203, 26.3111

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.



7.1709, 15.9609, 49.7033



31.4655, 15.9609, 13.2267



6.2523, 15.9609, 6.7941

Square

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



31.4655, 15.9609, 13.2267



13.6413, 15.9609, 0.4359



5.7739, 15.9609, 22.3197



16.8096, 15.9609, 83.6240

Rectangle

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



31.4655, 15.9609, 13.2267



23.0907, 15.9609, 1.2588



5.7739, 15.9609, 22.3197



9.3064, 15.9609, 68.9573

Sweetspot

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



31.4659, 15.9619, 13.2269



69.2796, 58.1079, 70.5641



20.0988, 8.8851, 67.6731



14.2296, 11.4911, 14.1280



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.



31.4659, 15.9619, 13.2269



44.3486, 22.5034, 18.2996



29.2932, 15.2196, 1.3951



13.2995, 13.1489, 14.8382



18.7105, 9.4852, 8.1214



1.2552, 0.6317, 0.7529

Inverse Universe

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



31.4659, 15.9619, 13.2269



44.3486, 22.5034, 18.2996



36.2555, 52.0524, 75.1537



13.2995, 13.1489, 14.8382



18.7105, 9.4852, 8.1214



1.2552, 0.6317, 0.7529

Previews

White Background



This preview shows how the XYZ color 31.4655, 15.9609, 13.2267 looks on a white background.

Color Contrast Check

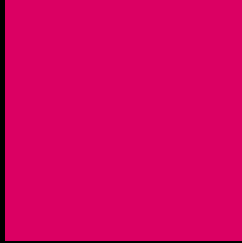
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4655, 15.9609, 13.2267 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 31.4655, 15.9609, 13.2267

Background



This preview shows how black text looks on a background with the XYZ color 31.4655, 15.9609, 13.2267.



This preview shows how white text looks on a background with the XYZ color 31.4655, 15.9609,

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

31.4655, 15.9609, 13.2267

Protanopia

16.6539, 16.6052, 28.7129

Deuteranopia

16.8298, 16.5810, 11.9863



Tritanopia

29.7070, 16.3492, 3.5094

Trichromacy



Original Color

31.4655, 15.9609, 13.2267



Protanomaly

18.0036, 12.1760, 21.8234



Deuteranomaly

19.4137, 12.9391, 11.8302



Tritanomaly

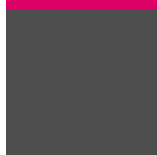
30.1034, 15.9376, 5.9045

Monochromacy



Original Color

31.4655, 15.9609, 13.2267



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.7913, 7.5196, 9.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4655, 15.9609, 13.2267 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 31.4655, 15.9609, 13.2267 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, 99) }
```


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

```
.border{ border-color:rgb(219, 0, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4655, 15.9609, 13.2267 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, 99) }
```

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

```
.background{ background-color: rgb(219, 0,  
99) }
```

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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