

Converting Colors

XYZ(31.2742, 15.8076, 15.7248)

Have a look what the booklet for
XYZ(31.2742, 15.8076, 15.7248)
contains.

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Color

**XYZ(31.3220, 15.8344,
15.5929)**

Conversions

Conversions Part 1

Format	Color
Hex	D9006C
RGB	217, 0, 108
RGB Percent	85%, 0%, 42%
CMY	0.1490, 0.9998, 0.5765
CMYK	0.00, 1.00, 0.50, 0.15
HSL	330°, 100%, 43%
HSV	330°, 100%, 85%
XYZ	31.3220, 15.8344, 15.5929
YIQ	77.1950, 94.6640, 79.5920

Conversions

Conversions Part 2

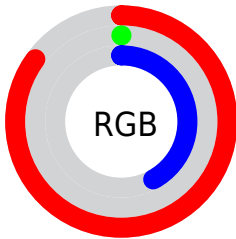
Format	Color
R_{YB}	217, 0, 108
Decimal	14221420
CIE _{Lab}	46.76, 74.86, 3.56
CIE _{LCh}	47, 74.944, 2.726
Yxy	15.8344, 0.4992, 0.2523
Android (android.graphics.Color)	4292411500 (0xFFD9006C)
YUV	77.1950, 15.1869, 122.6090
Hunter-Lab	39.7925, 70.8666, 4.6216

Details

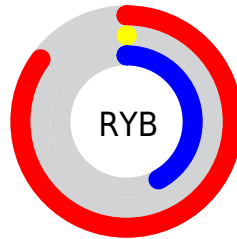
The XYZ color **31.3220, 15.8344, 15.5929** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.5760, 50.7308, 22.8193**, and the grayscale version is **7.0553, 7.4227, 8.0833**.

A 20% lighter version of the original color is **51.2391, 31.2454, 36.1312**, and **14.3599, 7.3055, 5.0681** is the 20% darker color. If you saturate the color by 10%, you get **31.3207, 15.8339, 15.5865**, and if you desaturate by 10%, it is **32.2211, 16.6454, 18.9368**.

Distribution



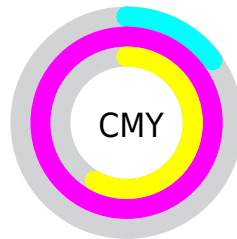
- Red (85%)
- Green (0%)
- Blue (42%)



- Red (85%)
- Yellow (0%)
- Blue (42%)



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





- Cyan (15%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3220, 15.8344, 15.5929 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 31.3220, 15.8344, 15.5929 by changing the saturation by 10% instead.


 31.3220, 15.8344,
15.5929


 31.3220, 15.8344,
15.5929

299.8195,
228.3626, 238.6905

 20.9972, 9.4070,
9.0853


 61.1191, 36.3105,
36.6469


 13.2344, 5.0076,
4.6993


 81.3221, 51.1280,
52.0304


 7.6683, 2.2517,
2.0163


 105.5485, 69.5110,
71.2096

 3.9334, 0.7480,
0.5653

 134.1637, 91.8439,
94.6031

 1.6645, 0.0000,
0.0000

 167.5330,
118.5112, 122.6294

 0.4339, 0.0000,
0.0000

 206.0219,

 0.0000, 0.0000,

149.8971, 155.7070

0.0000

249.9956,
186.3861, 194.2546

■ 31.3220, 15.8344,
15.5929

■ 31.3220, 15.8344,
15.5929

■ 31.3207, 15.8339,
15.5865

■ 32.2211, 16.6454,
18.9368

■ 33.5115, 18.1184,
22.7814

■ 35.2997, 20.4633,
27.1745

■ 37.6464, 23.7972,
32.1474

■ 40.6026, 28.2190,
37.7281

■ 44.2134, 33.8154,
43.9421

■ 48.5194, 40.6643,
50.8129

■ 53.5577, 48.8369,
58.3628

■ 59.3629, 58.3988,
66.6125

Harmonies

Analogous

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



29.1312, 15.8344, 39.4202



31.3220, 15.8344, 15.5929



28.2171, 15.8344, 4.2203

Triad

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



31.3220, 15.8344, 15.5929



9.2498, 15.8344, 1.2529



10.0148, 15.8344, 72.7092

Complementary

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



31.3220, 15.8344, 15.5929



27.5760, 50.7308, 22.8193

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.



6.7888, 15.8344, 44.7661



31.3220, 15.8344, 15.5929



6.4449, 15.8344, 5.4834

Square

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



31.3220, 15.8344, 15.5929



14.4631, 15.8344, 0.4024



5.6940, 15.8344, 19.0013



15.6528, 15.8344, 83.4932

Rectangle

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



31.3220, 15.8344, 15.5929



23.9684, 15.8344, 1.5589



5.6940, 15.8344, 19.0013



8.6743, 15.8344, 64.3478

Sweetspot

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



31.3224, 15.8353, 15.5931



69.7280, 58.2873, 72.9255



18.7729, 8.2317, 66.2447



14.3354, 11.5334, 14.6847



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.



31.3224, 15.8353, 15.5931



45.0634, 22.7893, 22.0635



28.6159, 14.7527, 1.3406



13.3249, 13.1590, 14.9720



19.0133, 9.6064, 9.7160



1.2753, 0.6397, 0.8585

Inverse Universe

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



31.3224, 15.8353, 15.5931



45.0634, 22.7893, 22.0635



37.3376, 54.6355, 74.2231



13.3249, 13.1590, 14.9720



19.0133, 9.6064, 9.7160



1.2753, 0.6397, 0.8585

Previews

White Background



This preview shows how the XYZ color 31.3220, 15.8344, 15.5929 looks on a white background.

Color Contrast Check

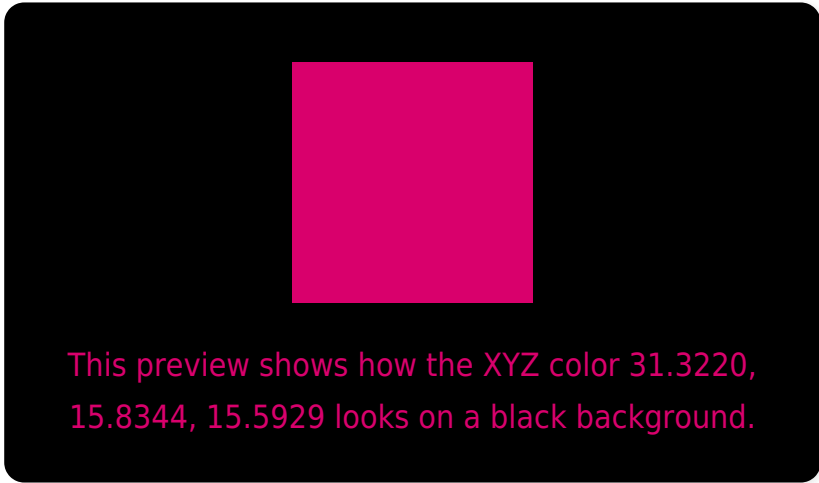
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

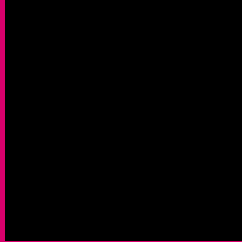
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3220, 15.8344, 15.5929

Background



This preview shows how black text looks on a background with the XYZ color 31.3220, 15.8344, 15.5929.



This preview shows how white text looks on a background with the XYZ color 31.3220, 15.8344,

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

31.3220, 15.8344, 15.5929

Protanopia

16.9407, 16.4785, 33.7403

Deuteranopia

16.7740, 16.5053, 14.1061



Tritanopia

29.0315, 16.1983, 3.8820

Trichromacy



Original Color

31.3220, 15.8344, 15.5929



Protanomaly

18.2411, 12.2102, 25.8215



Deuteranomaly

19.2243, 12.7926, 14.0264



Tritanomaly

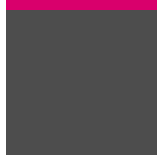
29.4294, 15.6362, 6.7772

Monochromacy



Original Color

31.3220, 15.8344, 15.5929



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.7619, 7.4904, 10.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3220, 15.8344, 15.5929 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(217, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.3220, 15.8344, 15.5929 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(217, 0, 108) }
```


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

```
.border{ border-color:rgb(217, 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(217, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3220, 15.8344, 15.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 108) }
```

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

```
.background{ background-color: rgb(217, 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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