

Converting Colors

XYZ(31.7098, 15.9895, 17.6346)

Have a look what the booklet for
XYZ(31.7098, 15.9895, 17.6346)
contains.

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Color

**XYZ(31.7098, 15.9895,
17.6346)**

Conversions

Conversions Part 1

Format	Color
Hex	D90073
RGB	217, 0, 115
RGB Percent	85%, 0%, 45%
CMY	0.1490, 0.9998, 0.5490
CMYK	0.00, 1.00, 0.47, 0.15
HSL	328°, 100%, 43%
HSV	328°, 100%, 85%
XYZ	31.7098, 15.9895, 17.6346
YIQ	77.9930, 92.4170, 81.7690

Conversions

Conversions Part 2

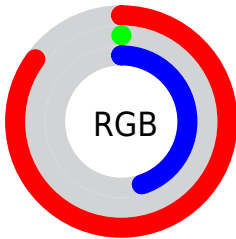
Format	Color
R_{YB}	217, 0, 115
Decimal	14221427
CIE Lab	46.96, 75.40, -0.47
CIE LCh	47, 75.400, 359.647
Yxy	15.9895, 0.4853, 0.2447
Android (android.graphics.Color)	4292411507 (0xFFD90073)
YUV	77.9930, 18.2445, 121.9091
Hunter-Lab	39.9869, 71.5744, 1.8433

Details

The XYZ color **31.7098, 15.9895, 17.6346** 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 **27.2138, 50.5861, 20.9114**, and the grayscale version is **7.1991, 7.5740, 8.2481**.

A 20% lighter version of the original color is **51.9561, 31.5322, 39.9071**, and **14.5307, 7.3738, 5.9676** is the 20% darker color. If you saturate the color by 10%, you get **31.7086, 15.9890, 17.6285**, and if you desaturate by 10%, it is **32.6119, 16.8016, 20.9940**.

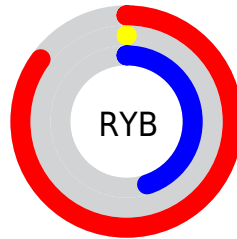
Distribution



Red (85%)

Green (0%)

Blue (45%)



Red (85%)

Yellow (0%)

Blue (45%)

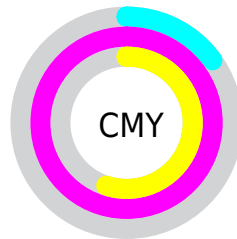


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7098, 15.9895, 17.6346 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 31.7098, 15.9895, 17.6346 by changing the saturation by 10% instead.


 31.7098, 15.9895,
17.6346


 31.7098, 15.9895,
17.6346


301.5640,
229.2798, 250.9699


 21.2944, 9.5167,
10.5212


 61.7241, 36.5800,
40.2192


 13.4531, 5.0797,
5.6358


 82.0538, 51.4665,
56.5275


 7.8204, 2.2941,
2.5597


 106.4189, 69.9263,
76.7379

 4.0311, 0.7706,
0.8716

 135.1849, 92.3439,
101.2689

 1.7197, 0.0000,
0.0000

 168.7170,
119.1037, 130.5391

 0.4686, 0.0000,
0.0000

 207.3807,

 0.0000, 0.0000,

150.5900, 164.9669

0.0000

251.5412,
187.1872, 204.9710

■ 31.7098, 15.9895,
17.6346

■ 31.7098, 15.9895,
17.6346

■ 31.7086, 15.9890,
17.6285

■ 32.6119, 16.8016,
20.9940

■ 33.8970, 18.2725,
24.8115

■ 35.6715, 20.6119,
29.1322

■ 37.9953, 23.9365,
33.9850

■ 40.9192, 28.3453,
39.3958

■ 44.4878, 33.9248,
45.3878

■ 48.7413, 40.7526,
51.9827

■ 53.7166, 48.8998,
59.2005

■ 59.4476, 58.4320,
67.0603

Harmonies

Analogous

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



28.9586, 15.9895, 42.9300



31.7098, 15.9895, 17.6346



29.0789, 15.9895, 4.9243

Triad

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



31.7098, 15.9895, 17.6346



9.7534, 15.9895, 1.0839



9.6530, 15.9895, 71.2278

Complementary

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



31.7098, 15.9895, 17.6346



27.2138, 50.5861, 20.9114

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.



6.6328, 15.9895, 42.2264



31.7098, 15.9895, 17.6346



6.6779, 15.9895, 4.7592

Square

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



31.7098, 15.9895, 17.6346



15.2758, 15.9895, 0.3893



5.7239, 15.9895, 17.1870



15.1195, 15.9895, 84.7187

Rectangle

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



31.7098, 15.9895, 17.6346



24.9636, 15.9895, 1.8154



5.7239, 15.9895, 17.1870



8.3825, 15.9895, 62.2720

Sweetspot

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



31.7102, 15.9904, 17.6348



70.0508, 58.4164, 74.6250



17.9242, 7.7941, 66.2053



14.4117, 11.5639, 15.0865



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.



31.7102, 15.9904, 17.6348



45.6212, 23.0125, 25.0013



28.6556, 14.7686, 1.5492



13.3429, 13.1663, 15.0670



19.2486, 9.7005, 10.9551



1.2904, 0.6458, 0.9384

Inverse Universe

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



31.7102, 15.9904, 17.6348



45.6212, 23.0125, 25.0013



36.4173, 54.2675, 69.3766



13.3429, 13.1663, 15.0670



19.2486, 9.7005, 10.9551



1.2904, 0.6458, 0.9384

Previews

White Background



This preview shows how the XYZ color 31.7098, 15.9895, 17.6346 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 31.7098, 15.9895, 17.6346 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 31.7098, 15.9895, 17.6346

Background



This preview shows how black text looks on a background with the XYZ color 31.7098, 15.9895, 17.6346.

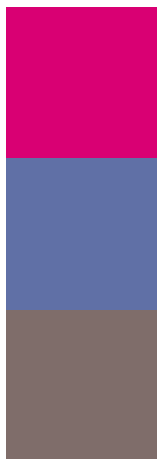


This preview shows how white text looks on a background with the XYZ color 31.7098, 15.9895,

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

31.7098, 15.9895, 17.6346

Protanopia

17.5010, 16.8283, 38.4022

Deuteranopia

16.8226, 16.4899, 15.9319



Tritanopia

29.2017, 16.4474, 4.2203

Trichromacy



Original Color

31.7098, 15.9895, 17.6346



Protanomaly

18.3349, 12.1885, 28.9900



Deuteranomaly

19.3856, 12.8340, 15.9235



Tritanomaly

29.6010, 15.7807, 7.4471

Monochromacy



Original Color

31.7098, 15.9895, 17.6346



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0822, 7.7037, 10.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7098, 15.9895, 17.6346 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.7098, 15.9895, 17.6346 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, 115) }
```


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

```
.border{ border-color:rgb(217, 0, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7098, 15.9895, 17.6346 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, 115) }
```

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

```
.background{ background-color: rgb(217, 0,  
115) }
```

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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