

Converting Colors

XYZ(31.6398, 15.2872, 47.7313)

Have a look what the booklet for
XYZ(31.6398, 15.2872, 47.7313)
contains.

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Color

**XYZ(31.6279, 15.2809,
47.7369)**

Conversions

Conversions Part 1

Format	Color
Hex	C400BA
RGB	196, 0, 186
RGB Percent	77%, 0%, 73%
CMY	0.2314, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.05, 0.23
HSL	303°, 100%, 38%
HSV	303°, 100%, 77%
XYZ	31.6279, 15.2809, 47.7369
YIQ	79.8080, 57.1100, 99.3980

Conversions

Conversions Part 2

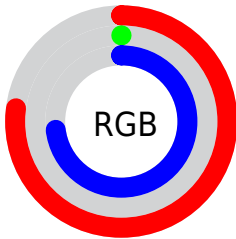
Format	Color
R_{YB}	196, 0, 186
Decimal	12845242
CIE _{Lab}	46.02, 79.17, -45.01
CIE _{LCh}	46, 91.070, 330.380
Yxy	15.2809, 0.3342, 0.1615
Android (android.graphics.Color)	4291035322 (0xFFC400BA)
YUV	79.8080, 52.3527, 101.9004
Hunter-Lab	39.0908, 76.0134, -45.0402

Details

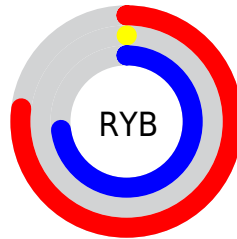
The XYZ color **31.6279, 15.2809, 47.7369** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **19.7954, 39.5026, 6.8693**, and the grayscale version is **7.4844, 7.8742, 8.5750**.

A 20% lighter version of the original color is **61.0738, 35.0434, 88.3391**, and **14.4814, 6.9843, 22.4146** is the 20% darker color. If you saturate the color by 10%, you get **31.6281, 15.2811, 47.7364**, and if you desaturate by 10%, it is **31.9786, 15.8110, 48.3804**.

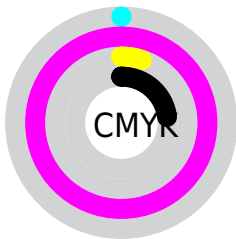
Distribution



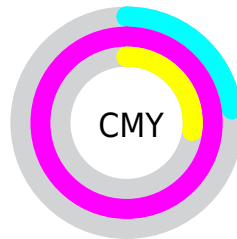
- Red (77%)
- Green (0%)
- Blue (73%)



- Red (77%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6279, 15.2809, 47.7369 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 31.6279, 15.2809, 47.7369 by changing the saturation by 10% instead.

 31.6279, 15.2809,
47.7369


 31.6279, 15.2809,
47.7369


301.1962,
225.0602, 394.2269

 21.2316, 9.0168,
33.2601


 61.5964, 35.3452,
88.1740


 13.4068, 4.7521,
22.0530


 81.8994, 49.9142,
114.9714


 7.7882, 2.1026,
13.6972

 106.2353, 68.0202,
146.7127

 4.0104, 0.6661,
7.7740

 134.9695, 90.0477,
183.8164

 1.7080, 0.0000,
3.8650

 168.4673,
116.3811, 226.7012

 0.4613, 0.0000,
1.5516

 207.0941,

 0.0000, 0.0000,

147.4047, 275.7855

0.2559

251.2153,
183.5029, 331.4879

■ 0.0000, 0.0000,
0.0000

■ 31.6279, 15.2809,
47.7369

■ 31.6279, 15.2809,
47.7369

■ 31.6281, 15.2811,
47.7364

■ 31.9786, 15.8110,
48.3804

■ 32.5754, 16.8326,
49.1095

■ 33.5056, 18.5200,
49.9534

■ 34.8143, 20.9630,
50.9272

■ 36.5394, 24.2375,
52.0435

■ 38.7142, 28.4104,
53.3134

■ 41.3688, 33.5415,
54.7470

■ 44.5305, 39.6858,
56.3533

■ 48.2247, 46.8937,
58.1408

Harmonies

Analogous

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



23.3991, 15.2809, 86.8631



31.6279, 15.2809, 47.7369



34.9996, 15.2809, 16.3580

Triad

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



31.6279, 15.2809, 47.7369



14.4258, 15.2809, 0.0000



5.1129, 15.2809, 48.7295

Complementary

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



31.6279, 15.2809, 47.7369



19.7954, 39.5026, 6.8693

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.



4.1627, 15.2809, 16.9218



31.6279, 15.2809, 47.7369



8.2359, 15.2809, 0.0541

Square

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



31.6279, 15.2809, 47.7369



23.1656, 15.2809, 0.0119



5.0640, 15.2809, 3.2302



8.3533, 15.2809, 87.7141

Rectangle

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



31.6279, 15.2809, 47.7369



33.3564, 15.2809, 5.7904



5.0640, 15.2809, 3.2302



4.5797, 15.2809, 36.2687

Sweetspot

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



31.6285, 15.2816, 47.7372



74.6878, 60.2712, 99.0433



10.0872, 4.0495, 52.4753



15.5260, 12.0096, 20.9547



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.



31.6285, 15.2816, 47.7372



57.2651, 27.6700, 86.3168



24.5359, 12.4446, 10.3878



10.4744, 10.2384, 12.5886



20.3321, 9.8226, 30.7245



0.8854, 0.4272, 1.3640

Inverse Universe

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



31.6285, 15.2816, 47.7372



57.2651, 27.6700, 86.3168



22.4373, 40.5593, 20.7810



10.4744, 10.2384, 12.5886



20.3321, 9.8226, 30.7245



0.8854, 0.4272, 1.3640

Previews

White Background



This preview shows how the XYZ color 31.6279, 15.2809, 47.7369 looks on a white background.

Color Contrast Check

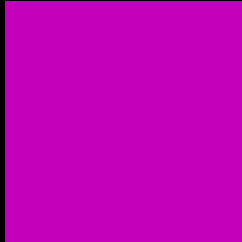
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6279, 15.2809, 47.7369 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 31.6279, 15.2809, 47.7369

Background



This preview shows how black text looks on a background with the XYZ color 31.6279, 15.2809, 47.7369.



This preview shows how white text looks on a background with the XYZ color 31.6279, 15.2809,

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

31.6279, 15.2809, 47.7369

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.4028, 16.0005, 42.7813



Tritanopia

23.7653, 15.6294, 8.9719

Trichromacy



Original Color

31.6279, 15.2809, 47.7369



Protanomaly

16.5493, 10.2273, 63.3892



Deuteranomaly

18.1357, 11.7542, 43.9608



Tritanomaly

25.1741, 14.0572, 18.2161

Monochromacy



Original Color

31.6279, 15.2809, 47.7369



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5396, 7.8371, 18.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6279, 15.2809, 47.7369 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(196, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 186)  
}
```

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(196, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.6279, 15.2809, 47.7369 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(196, 0, 186) }
```


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

```
.border{ border-color:rgb(196, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6279, 15.2809, 47.7369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 186) }
```

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

```
.background{ background-color: rgb(196, 0,  
186) }
```

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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