

Converting Colors

XYZ(27.3468, 7.9142, 13.1290)

Have a look what the booklet for
XYZ(27.3468, 7.9142, 13.1290)
contains.

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Color

**XYZ(31.4121, 15.9049,
14.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	DA0068
RGB	218, 0, 104
RGB Percent	85%, 0%, 41%
CMY	0.1451, 0.9998, 0.5922
CMYK	0.00, 1.00, 0.52, 0.15
HSL	331°, 100%, 43%
HSV	331°, 100%, 85%
XYZ	31.4121, 15.9049, 14.5111
YIQ	77.0380, 96.5440, 78.5600

Conversions

Conversions Part 2

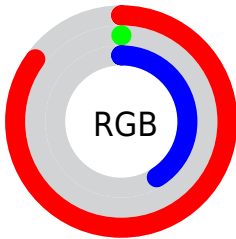
Format	Color
RYB	218, 0, 104
Decimal	14286952
CIELab	46.85, 74.79, 6.20
CIELCh	47, 75.046, 4.741
Yxy	15.9049, 0.5081, 0.2572
Android (android.graphics.Color)	4292477032 (0xFFDA0068)
YUV	77.0380, 13.2923, 123.6237
Hunter-Lab	39.8809, 70.8033, 6.3434

Details

The XYZ color **31.4121, 15.9049, 14.5111** 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 **28.1118, 51.3588, 24.3650**, and the grayscale version is **7.0294, 7.3955, 8.0537**.

A 20% lighter version of the original color is **50.8975, 31.1087, 34.3323**, and **14.4740, 7.3734, 4.6633** is the 20% darker color. If you saturate the color by 10%, you get **31.4107, 15.9043, 14.5045**, and if you desaturate by 10%, it is **32.3150, 16.7204, 17.8656**.

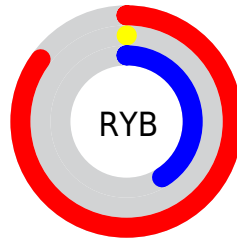
Distribution



Red (85%)

Green (0%)

Blue (41%)



Red (85%)

Yellow (0%)

Blue (41%)

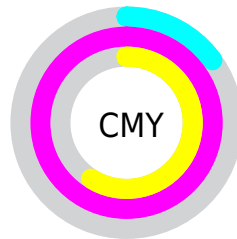


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4121, 15.9049, 14.5111 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 31.4121, 15.9049, 14.5111 by changing the saturation by 10% instead.


 31.4121, 15.9049,
14.5111


 31.4121, 15.9049,
14.5111


300.2255,
228.7799, 231.9256


 21.0662, 9.4569,
8.3342


 61.2597, 36.4330,
34.7233


 13.2852, 5.0404,
4.2187


 81.4922, 51.2819,
49.5956


 7.7035, 2.2710,
1.7461


 105.7509, 69.6999,
68.2036

 3.9560, 0.7583,
0.3920

 134.4012, 92.0714,
90.9656

 1.6773, 0.0000,
0.0000

 167.8085,
118.7807, 118.3003

 0.4420, 0.0000,
0.0000

 206.3380,

 0.0000, 0.0000,

150.2123, 150.6261

0.0000

250.3552,
186.7506, 188.3617

■ 31.4121, 15.9049,
14.5111

■ 31.4121, 15.9049,
14.5111

■ 31.4107, 15.9043,
14.5045

■ 32.3150, 16.7204,
17.8656

■ 33.6190, 18.2078,
21.7547

■ 35.4319, 20.5785,
26.2282

■ 37.8152, 23.9513,
31.3197

■ 40.8211, 28.4263,
37.0592

■ 44.4954, 34.0914,
43.4740

■ 48.8794, 41.0255,
50.5894

■ 54.0110, 49.3005,
58.4292

■ 59.9253, 58.9832,
67.0159

Harmonies

Analogous

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



29.5635, 15.9049, 37.6555



31.4121, 15.9049, 14.5111



27.9694, 15.9049, 3.8414

Triad

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



31.4121, 15.9049, 14.5111



9.0285, 15.9049, 1.3855



10.3649, 15.9049, 74.4941

Complementary

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



31.4121, 15.9049, 14.5111



28.1118, 51.3588, 24.3650

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.



6.9651, 15.9049, 46.9782



31.4121, 15.9049, 14.5111



6.3639, 15.9049, 6.0546

Square

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



31.4121, 15.9049, 14.5111



14.1024, 15.9049, 0.4185



5.7352, 15.9049, 20.4648



16.1794, 15.9049, 83.6169

Rectangle

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



31.4121, 15.9049, 14.5111



23.5913, 15.9049, 1.4205



5.7352, 15.9049, 20.4648



8.9626, 15.9049, 66.4435

Sweetspot

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



31.4125, 15.9059, 14.5113



69.5241, 58.2058, 71.8517



19.4212, 8.5509, 66.9562



14.2872, 11.5141, 14.4313



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.



31.4125, 15.9059, 14.5113



44.7295, 22.6558, 20.3057



28.9535, 14.9853, 1.3678



13.3134, 13.1544, 14.9114



18.8721, 9.5499, 8.9724



1.2660, 0.6360, 0.8097

Inverse Universe

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



31.4125, 15.9059, 14.5113



44.7295, 22.6558, 20.3057



36.7950, 53.3413, 74.6859



13.3134, 13.1544, 14.9114



18.8721, 9.5499, 8.9724



1.2660, 0.6360, 0.8097

Previews

White Background



This preview shows how the XYZ color 31.4121, 15.9049, 14.5111 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 31.4121, 15.9049, 14.5111 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 31.4121, 15.9049, 14.5111

Background



This preview shows how black text looks on a background with the XYZ color 31.4121, 15.9049, 14.5111.



This preview shows how white text looks on a background with the XYZ color 31.4121, 15.9049,

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

31.4121, 15.9049, 14.5111

Protanopia

16.8596, 16.6475, 31.6028

Deuteranopia

16.7401, 16.5093, 13.1308



Tritanopia

29.2175, 16.1930, 3.6835

Trichromacy



Original Color

31.4121, 15.9049, 14.5111



Protanomaly

18.0579, 12.1570, 23.9490



Deuteranomaly

19.2330, 12.8195, 13.0160



Tritanomaly

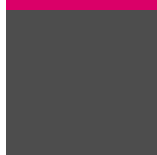
29.6137, 15.7079, 6.3216

Monochromacy



Original Color

31.4121, 15.9049, 14.5111



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.7207, 7.4739, 9.8417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4121, 15.9049, 14.5111 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 31.4121, 15.9049, 14.5111 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, 104) }
```


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

```
.border{ border-color:rgb(218, 0, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4121, 15.9049, 14.5111 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, 104) }
```

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

```
.background{ background-color: rgb(218, 0,  
104) }
```

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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