

Converting Colors

XYZ(31.5584, 24.4513, 31.0558)

Have a look what the booklet for
XYZ(31.5584, 24.4513, 31.0558)
contains.

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Color

**XYZ(31.5001, 24.3875,
31.0640)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7194
RGB	186, 113, 148
RGB Percent	73%, 44%, 58%
CMY	0.2706, 0.5568, 0.4196
CMYK	0.00, 0.39, 0.20, 0.27
HSL	331°, 35%, 59%
HSV	331°, 39%, 73%
XYZ	31.5001, 24.3875, 31.0640
YIQ	138.8170, 32.2730, 26.3610

Conversions

Conversions Part 2

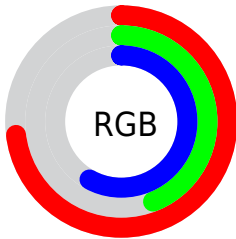
Format	Color
R _Y B	186, 113, 148
Decimal	12218772
CIE Lab	56.47, 33.63, -6.71
CIE LCh	56, 34.291, 348.719
Yxy	24.3875, 0.3623, 0.2805
Android (android.graphics.Color)	4290408852 (0xFFBA7194)
YUV	138.8170, 4.5272, 41.3795
Hunter-Lab	49.3837, 27.4373, -2.7268

Details

The XYZ color **31.5001, 24.3875, 31.0640** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.9559, 40.8635, 35.5887**, and the grayscale version is **24.4454, 25.7184, 28.0074**.

A 20% lighter version of the original color is **61.2590, 50.5914, 62.4135**, and **13.2952, 9.2434, 12.3927** is the 20% darker color. If you saturate the color by 10%, you get **28.8991, 20.3610, 26.5726**, and if you desaturate by 10%, it is **34.5919, 29.2925, 36.0359**.

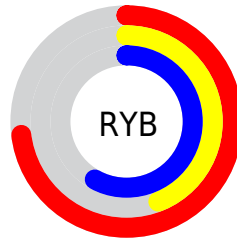
Distribution



Red (73%)

Green (44%)

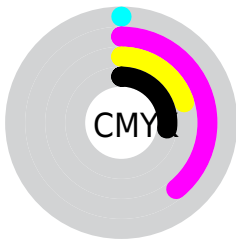
Blue (58%)



Red (73%)

Yellow (44%)

Blue (58%)

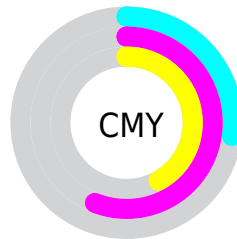


Cyan (0%)

Magenta (39%)

Yellow (20%)

Black (27%)



Cyan (27%)

Magenta (56%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5001, 24.3875, 31.0640 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 31.5001, 24.3875, 31.0640 by changing the saturation by 10% instead.

 31.5001, 24.3875,
31.0640


 31.5001, 24.3875,
31.0640


300.6216,
274.7737, 321.1934

 21.1336, 15.6213,
20.3887


 61.3971, 50.6618,
62.4216


 13.3347, 9.2566,
12.4910


 81.6583, 68.9387,
83.9409

 7.7380, 4.9089,
6.9524


 105.9485, 91.1547,
109.9121

 3.9782, 2.1939,
3.3544

 134.6331,
117.6941, 140.7536

 1.6898, 0.7167,
1.2783

168.0773,
148.9413, 176.8839

 0.4499, 0.0000,
0.0439

206.6465,

 0.0000, 0.0000,

185.2807, 218.7216

0.0000

250.7062,
227.0967, 266.6852

■ 31.5001, 24.3875,
31.0640

■ 31.5001, 24.3875,
31.0640

■ 28.8991, 20.3610,
26.5726

■ 34.5919, 29.2925,
36.0359

■ 26.7590, 17.1565,
22.5432

■ 38.1978, 35.1209,
41.5027

■ 25.0500, 14.7165,
18.9581


■ 42.3422, 41.9189,
47.4800


■ 23.7373, 12.9743,
15.7975


■ 47.0471, 49.7283,
53.9821


■ 22.7803, 11.8517,
13.0391


■ 52.3334, 58.5886,
61.0226


 22.1064, 11.2062,
10.6494

 58.2207, 68.5373,
68.6148

 22.0602, 11.1633,
10.4814

 64.7280, 79.6097,
76.7712

 69.6636, 87.4207,
84.7676

 71.0262, 87.9657,
91.9429

Harmonies

Analogous

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



29.4020, 24.3875, 43.7456



31.5001, 24.3875, 31.0640



31.1867, 24.3875, 20.1378

Triad

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



31.5001, 24.3875, 31.0640



20.8152, 24.3875, 10.7643



18.4994, 24.3875, 46.6028

Complementary

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



31.5001, 24.3875, 31.0640



29.9559, 40.8635, 35.5887

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.



16.6757, 24.3875, 34.2057



31.5001, 24.3875, 31.0640



17.9035, 24.3875, 14.5847

Square

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



31.5001, 24.3875, 31.0640



24.7051, 24.3875, 10.3672



16.4707, 24.3875, 22.5028



21.7182, 24.3875, 54.2797

Rectangle

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



31.5001, 24.3875, 31.0640



29.6598, 24.3875, 15.0926



16.4707, 24.3875, 22.5028



17.7195, 24.3875, 42.7094

Sweetspot

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



31.5008, 24.3887, 31.0645



74.4246, 72.1531, 82.7620



27.4791, 21.9090, 49.2351



16.1690, 15.5269, 17.9095



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5008, 24.3887, 31.0645



53.0193, 37.8805, 49.3053



29.2730, 23.7162, 18.6591



9.1791, 9.0820, 10.2906



14.8789, 7.5253, 7.2488



0.5558, 0.2778, 0.4204

Inverse Universe

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



31.5008, 24.3887, 31.0645



53.0193, 37.8805, 49.3053



32.9774, 41.6637, 52.7583



9.1791, 9.0820, 10.2906



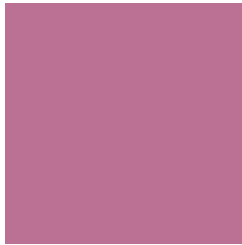
14.8789, 7.5253, 7.2488



0.5558, 0.2778, 0.4204

Previews

White Background



This preview shows how the XYZ color 31.5001, 24.3875, 31.0640 looks on a white background.

Color Contrast Check

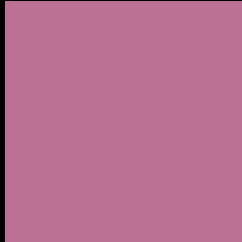
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 31.5001, 24.3875, 31.0640 looks on a black 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

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

XYZ 31.5001, 24.3875, 31.0640

Background



This preview shows how black text looks on a background with the XYZ color 31.5001, 24.3875, 31.0640.



This preview shows how white text looks on a background with the XYZ color 31.5001, 24.3875,

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

31.5001, 24.3875, 31.0640

Protanopia

24.3915, 24.6824, 37.6610

Deuteranopia

25.0392, 24.5666, 30.2102



Tritanopia

29.8943, 24.4193, 22.8765

Trichromacy



Original Color

31.5001, 24.3875, 31.0640

Protanomaly

26.2529, 24.0971, 35.1658

Deuteranomaly

27.0191, 24.2161, 30.4442

Tritanomaly

30.5561, 24.5263, 25.6778

Monochromacy



Original Color

31.5001, 24.3875, 31.0640

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5754, 24.9862, 29.0133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5001, 24.3875, 31.0640 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(186, 113, 148)` looks like.

```
.text, #text, p{  
    color:rgb(186, 113, 148)  
}
```

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(186, 113, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 113, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.5001, 24.3875, 31.0640 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(186, 113, 148) }
```


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

```
.border{ border-color:rgb(186, 113, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 113, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 113, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 113, 148);  
box-shadow:4px 4px 4px 4px rgb(186, 113,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5001, 24.3875, 31.0640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 113, 148) }
```

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

```
.background{ background-color: rgb(186,  
113, 148) }
```

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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