

Converting Colors

XYZ(31.8310, 24.1506, 42.0136)

Have a look what the booklet for
XYZ(31.8310, 24.1506, 42.0136)
contains.

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Color

**XYZ(31.8310, 24.1506,
42.0136)**

Conversions

Conversions Part 1

Format	Color
Hex	B370AC
RGB	179, 112, 172
RGB Percent	70%, 44%, 67%
CMY	0.2980, 0.5608, 0.3255
CMYK	0.00, 0.37, 0.04, 0.30
HSL	306°, 31%, 57%
HSV	306°, 37%, 70%
XYZ	31.8310, 24.1506, 42.0136
YIQ	138.8730, 20.6720, 32.8640

Conversions

Conversions Part 2

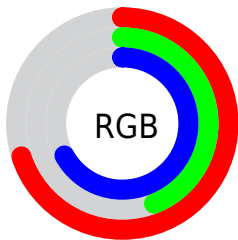
Format	Color
R_{YB}	179, 112, 172
Decimal	11759788
CIE Lab	56.24, 35.85, -21.06
CIE LCh	56, 41.576, 329.574
Yxy	24.1506, 0.3248, 0.2464
Android (android.graphics.Color)	4289949868 (0xFFB370AC)
YUV	138.8730, 16.3316, 35.1914
Hunter-Lab	49.1433, 29.6171, -16.2880

Details

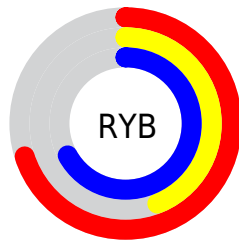
The XYZ color **31.8310, 24.1506, 42.0136** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.1330, 37.0177, 23.2220**, and the grayscale version is **24.4261, 25.6981, 27.9853**.

A 20% lighter version of the original color is **62.0508, 50.3446, 79.8458**, and **13.5702, 9.1613, 18.8224** is the 20% darker color. If you saturate the color by 10%, you get **29.8707, 20.5150, 40.4803**, and if you desaturate by 10%, it is **34.1880, 28.5746, 43.6921**.

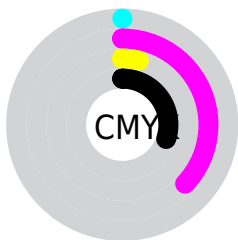
Distribution



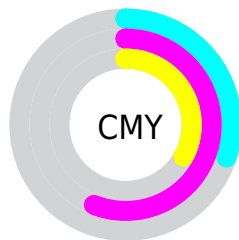
- Red (70%)
- Green (44%)
- Blue (67%)



- Red (70%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (30%)



- Cyan (30%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8310, 24.1506, 42.0136 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 31.8310, 24.1506, 42.0136 by changing the saturation by 10% instead.

■ 31.8310, 24.1506,
42.0136

■ 31.8310, 24.1506,
42.0136

302.1077,
273.5810, 370.3406

■ 21.3874, 15.4454,
28.7863

■ 61.9130, 50.2758,
79.4905

■ 13.5215, 9.1326,
18.6750

■ 82.2822, 68.4647,
104.5772

■ 7.8681, 4.8277,
11.2613

■ 106.6905, 90.5834,
134.4541

■ 4.0618, 2.1465,
6.1265

■ 135.5034,
117.0166, 169.5398

■ 1.7371, 0.6906,
2.8521

169.0862,
148.1486, 210.2527

■ 0.4793, 0.0000,
1.0196

207.8043,

■ 0.0000, 0.0000,

184.3637, 257.0115

0.0000

252.0230,
226.0463, 310.2346

■ 31.8310, 24.1506,
42.0136

■ 31.8310, 24.1506,
42.0136

■ 29.8707, 20.5150,
40.4803

■ 34.1880, 28.5746,
43.6921

■ 28.2813, 17.6177,
39.0829

■ 36.9608, 33.8267,
45.5215

■ 27.0378, 15.4082,
37.8131

■ 40.1702, 39.9477,
47.5089

■ 26.1110, 13.8279,
36.6612

■ 43.8347, 46.9750,
49.6607

■ 25.4667, 12.8089,
35.6157

■ 47.9719, 54.9435,
51.9828

■ 25.0541, 12.2492,
34.6597

■ 52.5984, 63.8866,
54.4806

■ 24.9619, 12.1323,
34.4204

■ 57.7301, 73.8357,
57.1596

■ 63.3164, 84.6902,
60.0031

■ 63.5180, 84.7708,
61.0644

Harmonies

Analogous

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



27.7982, 24.1506, 56.4917



31.8310, 24.1506, 42.0136



33.4315, 24.1506, 26.4923

Triad

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



31.8310, 24.1506, 42.0136



23.0229, 24.1506, 7.7749



15.8501, 24.1506, 41.5516

Complementary

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



31.8310, 24.1506, 42.0136



26.1330, 37.0177, 23.2220

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.



14.9327, 24.1506, 26.1005



31.8310, 24.1506, 42.0136



18.7088, 24.1506, 9.3987

Square

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



31.8310, 24.1506, 42.0136



27.9330, 24.1506, 9.4977



15.9036, 24.1506, 15.0872



18.6056, 24.1506, 56.1662

Rectangle

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



31.8310, 24.1506, 42.0136



32.7537, 24.1506, 18.4234



15.9036, 24.1506, 15.0872



15.3351, 24.1506, 36.1417

Sweetspot

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



31.8318, 24.1517, 42.0141



69.6891, 67.2383, 83.7146



21.4986, 18.7450, 45.1335



15.2682, 14.5696, 18.4412



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.8318, 24.1517, 42.0141



54.0353, 37.7334, 72.9390



29.0311, 23.0314, 27.2661



8.8110, 8.6311, 10.5032



17.6532, 8.5788, 24.3973



0.5664, 0.2743, 0.8251

Inverse Universe

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



31.8318, 24.1517, 42.0141



54.0353, 37.7334, 72.9390



28.4870, 37.9593, 35.6182



8.8110, 8.6311, 10.5032



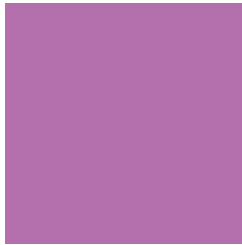
17.6532, 8.5788, 24.3973



0.5664, 0.2743, 0.8251

Previews

White Background



This preview shows how the XYZ color 31.8310, 24.1506, 42.0136 looks on a white background.

Color Contrast Check

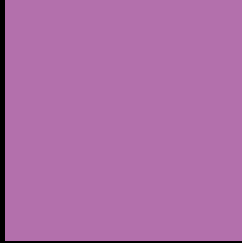
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8310, 24.1506, 42.0136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

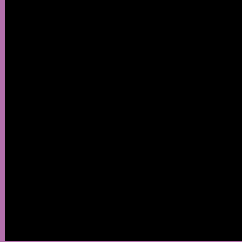
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8310, 24.1506, 42.0136

Background



This preview shows how black text looks on a background with the XYZ color 31.8310, 24.1506, 42.0136.



This preview shows how white text looks on a background with the XYZ color 31.8310, 24.1506,

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

31.8310, 24.1506, 42.0136

Protanopia

25.0724, 24.3278, 50.9512

Deuteranopia

24.6792, 24.1550, 40.4074



Tritanopia

28.3222, 24.2851, 24.3138

Trichromacy



Original Color

31.8310, 24.1506, 42.0136

Protanomaly

26.7616, 23.7074, 47.4215

Deuteranomaly

26.7078, 23.8277, 40.7277

Tritanomaly

29.4938, 24.2313, 29.9107

Monochromacy



Original Color

31.8310, 24.1506, 42.0136

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.7626, 24.8049, 32.6554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8310, 24.1506, 42.0136 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(179, 112, 172)` looks like.

```
.text, #text, p{  
    color:rgb(179, 112, 172)  
}
```

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(179, 112, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 112, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.8310, 24.1506, 42.0136 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(179, 112, 172) }
```


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

```
.border{ border-color:rgb(179, 112, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 112, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 112, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 112, 172);  
box-shadow:4px 4px 4px 4px rgb(179, 112,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8310, 24.1506, 42.0136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 112, 172) }
```

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

```
.background{ background-color: rgb(179,  
112, 172) }
```

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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