

Converting Colors

XYZ(31.6092, 24.7912, 50.9156)

Have a look what the booklet for
XYZ(31.6092, 24.7912, 50.9156)
contains.

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Color

**XYZ(31.7040, 24.9125,
50.7146)**

Conversions

Conversions Part 1

Format	Color
Hex	A876BC
RGB	168, 118, 188
RGB Percent	66%, 46%, 74%
CMY	0.3412, 0.5372, 0.2627
CMYK	0.11, 0.37, 0.00, 0.26
HSL	283°, 34%, 60%
HSV	283°, 37%, 74%
XYZ	31.7040, 24.9125, 50.7146
YIQ	140.9300, 7.3300, 32.3700

Conversions

Conversions Part 2

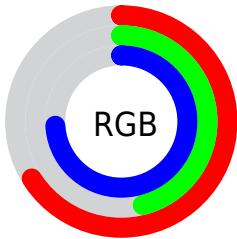
Format	Color
R _Y B	168, 118, 188
Decimal	11040444
CIE Lab	56.99, 32.15, -29.19
CIE LCh	57, 43.420, 317.763
Yxy	24.9125, 0.2954, 0.2321
Android (android.graphics.Color)	4289230524 (0xFFA876BC)
YUV	140.9300, 23.2055, 23.7404
Hunter-Lab	49.9124, 26.0351, -25.3042

Details

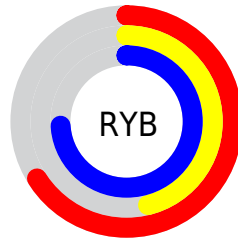
The XYZ color **31.7040, 24.9125, 50.7146** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.7352, 42.6783, 23.7057**, and the grayscale version is **25.2007, 26.5131, 28.8728**.

A 20% lighter version of the original color is **61.6325, 51.5048, 92.2810**, and **13.4404, 9.5003, 23.6796** is the 20% darker color. If you saturate the color by 10%, you get **28.5870, 20.3407, 49.9968**, and if you desaturate by 10%, it is **35.3111, 30.3932, 51.5827**.

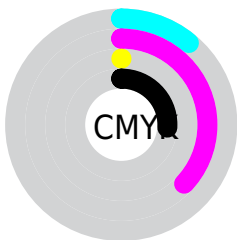
Distribution



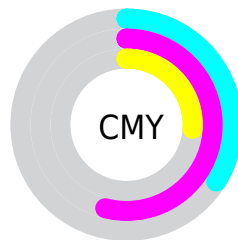
- Red (66%)
- Green (46%)
- Blue (74%)



- Red (66%)
- Yellow (46%)
- Blue (74%)



- Cyan (11%)
- Magenta (37%)
- Yellow (0%)
- Black (26%)



- Cyan (34%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7040, 24.9125, 50.7146 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 31.7040, 24.9125, 50.7146 by changing the saturation by 10% instead.

■ 31.7040, 24.9125,
50.7146

■ 31.7040, 24.9125,
50.7146

301.5380,
277.4019, 406.2688

■ 21.2900, 16.0119,
35.6064

■ 61.7151, 51.5152,
92.6399

■ 13.4498, 9.5326,
23.8431

■ 82.0429, 69.9861,
120.2941

■ 7.8181, 5.0901,
15.0061

■ 106.4059, 92.4159,
152.9674

■ 4.0296, 2.3003,
8.6770

135.1696,
119.1890, 191.0783

■ 1.7189, 0.7738,
4.4372

168.6993,
150.6897, 235.0453

■ 0.4681, 0.0000,
1.8681

207.3604,

■ 0.0000, 0.0000,

187.3025, 285.2871

0.4723

251.5181,
229.4118, 342.2220

■ 0.0000, 0.0000,
0.0000

■ 31.7040, 24.9125,
50.7146

■ 31.7040, 24.9125,
50.7146

■ 28.5870, 20.3407,
49.9968

■ 35.3111, 30.3932,
51.5827

■ 25.9307, 16.6216,
49.4190

■ 39.4306, 36.8282,
52.6077

■ 23.7062, 13.6977,
48.9718

■ 44.0863, 44.2638,
53.7976

■ 21.8800, 11.5028,
48.6444

■ 49.2995, 52.7421,
55.1593

■ 20.4131, 9.9597,
48.4239

■ 55.0907, 62.3030,
56.6995

■ 19.2503, 8.9591,
48.2921

■ 61.4791, 72.9840,
58.4244

■ 18.9545, 8.7228,
48.2620

■ 68.4829, 84.8210,
60.3400

■ 71.6933, 88.9957,
60.9766

■ 73.2578, 89.8023,
61.0499

Harmonies

Analogous

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



26.7973, 24.9125, 63.6124



31.7040, 24.9125, 50.7146



34.6100, 24.9125, 33.5223

Triad

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



31.7040, 24.9125, 50.7146



25.8179, 24.9125, 7.8984



15.5155, 24.9125, 36.6248

Complementary

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



31.7040, 24.9125, 50.7146



31.7352, 42.6783, 23.7057

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.



15.3317, 24.9125, 21.5991



31.7040, 24.9125, 50.7146



20.8118, 24.9125, 8.2103

Square

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



31.7040, 24.9125, 50.7146



30.8989, 24.9125, 11.1958



17.1365, 24.9125, 12.2909



17.6810, 24.9125, 53.6756

Rectangle

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



31.7040, 24.9125, 50.7146



34.7814, 24.9125, 23.5068



17.1365, 24.9125, 12.2909



15.2324, 24.9125, 31.0977

Sweetspot

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



31.7048, 24.9136, 50.7151



76.4497, 74.6797, 96.6115



25.7818, 25.9486, 51.2271



16.1935, 15.6653, 20.7128



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.



31.7048, 24.9136, 50.7151



52.6000, 38.0030, 90.7892



34.8582, 26.7052, 43.3624



9.6571, 9.5556, 12.0076



12.9811, 5.9781, 32.8626



0.5698, 0.2658, 1.2901

Inverse Universe

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



31.8057, 25.4842, 27.2882



53.0936, 39.3615, 40.9303



29.6201, 41.4846, 28.2770



9.6392, 9.5800, 10.4893



14.5972, 7.4700, 3.1724



0.6010, 0.3043, 0.2781

Previews

White Background



This preview shows how the XYZ color 31.7040, 24.9125, 50.7146 looks on a white background.

Color Contrast Check

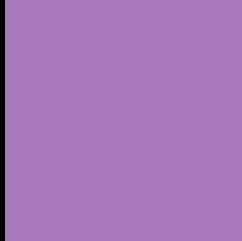
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7040, 24.9125, 50.7146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

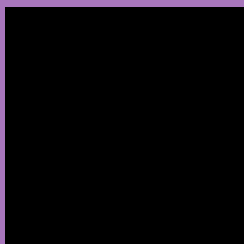
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7040, 24.9125, 50.7146

Background



This preview shows how black text looks on a background with the XYZ color 31.7040, 24.9125, 50.7146.



This preview shows how white text looks on a background with the XYZ color 31.7040, 24.9125,

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

31.7040, 24.9125, 50.7146

Protanopia

26.2768, 25.1898, 58.7355

Deuteranopia

25.7331, 25.1158, 49.3905



Tritanopia

27.0046, 24.8504, 27.4181

Trichromacy



Original Color

31.7040, 24.9125, 50.7146

Protanomaly

27.6456, 24.7544, 55.5455

Deuteranomaly

27.5284, 24.8211, 49.7944

Tritanomaly

28.5182, 24.7081, 34.7186

Monochromacy



Original Color

31.7040, 24.9125, 50.7146

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.3216, 25.8230, 35.8921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7040, 24.9125, 50.7146 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(168, 118, 188)` looks like.

```
.text, #text, p{  
    color:rgb(168, 118, 188)  
}
```

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(168, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 118, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.7040, 24.9125, 50.7146 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(168, 118, 188) }
```


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

```
.border{ border-color:rgb(168, 118, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 118, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 118, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 118, 188);  
box-shadow:4px 4px 4px 4px rgb(168, 118,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7040, 24.9125, 50.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 118, 188) }
```

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

```
.background{ background-color: rgb(168,  
118, 188) }
```

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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