

Converting Colors

XYZ(57.6199, 47.8666,
100.8100)

Have a look what the booklet for
XYZ(57.6199, 47.8666, 100.8100)
contains.

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Color

**XYZ(57.6986, 47.9023,
100.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A6FF
RGB	208, 166, 255
RGB Percent	82%, 65%, 100%
CMY	0.1843, 0.3490, 0.0000
CMYK	0.18, 0.35, 0.00, 0.00
HSL	268°, 100%, 83%
HSV	268°, 35%, 100%
XYZ	57.6986, 47.9023, 100.8128
YIQ	188.7040, -3.5370, 36.5830

Conversions

Conversions Part 2

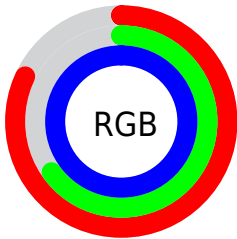
Format	Color
RYB	208, 166, 255
Decimal	13674239
CIELab	74.76, 32.14, -38.44
CIELCh	75, 50.109, 309.898
Yxy	47.9023, 0.2795, 0.2321
Android (android.graphics.Color)	4291864319 (0xFFD0A6FF)
YUV	188.7040, 32.6839, 16.9226
Hunter-Lab	69.2115, 27.6876, -37.9132

Details

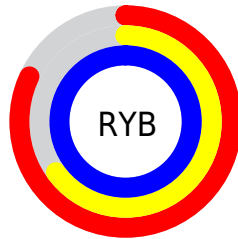
The XYZ color **57.6986, 47.9023, 100.8128** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.0844, 88.4197, 49.4512**, and the grayscale version is **48.0229, 50.5239, 55.0205**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **29.1593, 22.7872, 56.2876** is the 20% darker color. If you saturate the color by 10%, you get **49.8880, 37.6643, 99.2483**, and if you desaturate by 10%, it is **66.7526, 60.1477, 102.6992**.

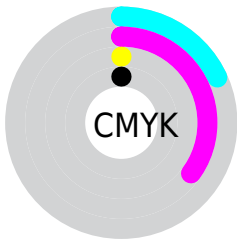
Distribution



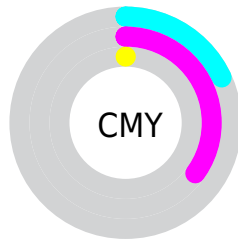
- Red (82%)
- Green (65%)
- Blue (100%)



- Red (82%)
- Yellow (65%)
- Blue (100%)



- Cyan (18%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6986, 47.9023, 100.8128 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 57.6986, 47.9023, 100.8128 by changing the saturation by 10% instead.


 57.6986, 47.9023,
100.8128


 57.6986, 47.9023,
100.8128


406.0339,
378.4047, 584.0644

 41.8087, 33.7495,
76.3589


 100.6093, 87.0589,
164.3353

 29.1420, 22.7012,
56.2184


 128.3608,
112.8316, 204.2410

 19.3331, 14.3731,
39.9729


160.7970,
143.2463, 250.1343

 12.0166, 8.3806,
27.2038

198.2830,
178.6874, 302.4337

 6.8273, 4.3394,
17.4925

241.1844,
219.5395, 361.5580

 3.3997, 1.8652,
10.4206

289.8664,

 1.3685, 0.5273,

266.1868, 427.9254

5.5695

344.6945,
319.0137, 501.9547

■ 0.2336, 0.0000,
2.5206

■ 0.0000, 0.0000,
0.8510

■ 57.6986, 47.9023,
100.8128

■ 57.6986, 47.9023,
100.8128

■ 49.8880, 37.6643,
99.2483

■ 66.7526, 60.1477,
102.6992

■ 43.2537, 29.3146,
97.9863

■ 77.1034, 74.4989,
104.9237

■ 37.7287, 22.7304,
97.0066

■ 88.8062, 91.0546,
107.5025

■ 33.2363, 17.7708,
96.2861

95.0500, 100.0000,
108.9000

■ 29.6881, 14.2726,
95.7979

■ 26.9770, 12.0358,
95.5090

■ 25.8427, 11.2373,
95.4147

Harmonies

Analogous

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



48.6038, 47.9023, 118.7227



57.6986, 47.9023, 100.8128



64.0143, 47.9023, 71.3423

Triad

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



57.6986, 47.9023, 100.8128



51.8111, 47.9023, 17.8360



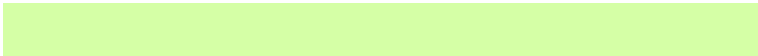
30.3783, 47.9023, 61.2532

Complementary

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



57.6986, 47.9023, 100.8128



70.0844, 88.4197, 49.4512

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.



30.9974, 47.9023, 36.7629



57.6986, 47.9023, 100.8128



42.5881, 47.9023, 16.7318

Square

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



57.6986, 47.9023, 100.8128



60.3136, 47.9023, 26.1683



35.2047, 47.9023, 22.3881



33.3836, 47.9023, 91.3484

Rectangle

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



57.6986, 47.9023, 100.8128



65.3611, 47.9023, 52.2464



35.2047, 47.9023, 22.3881



30.1800, 47.9023, 52.0686

Sweetspot

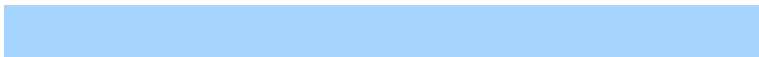
The Sweet Spot groups the original color and five complimentary colors.



57.7001, 47.9042, 100.8130



82.6660, 82.3306, 106.1422



57.6890, 63.1520, 103.7568



17.3453, 17.1296, 22.6421



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.



57.7001, 47.9042, 100.8130



52.0296, 40.4344, 99.6701



71.8440, 55.1956, 101.4750



17.8182, 17.7980, 22.7462



13.6727, 5.9590, 49.8642



1.4562, 0.6446, 4.8609

Inverse Universe

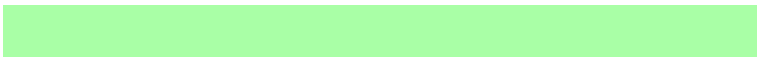
The Inverse Universe completely reimagines the original color for something new.



66.8874, 53.3381, 69.7218



62.7683, 46.7901, 63.1383



58.9992, 82.7051, 48.9325



18.4102, 18.1474, 20.7774



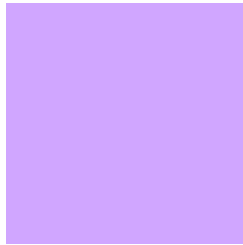
23.8976, 12.0483, 13.3770



2.3821, 1.1952, 1.5933

Previews

White Background



This preview shows how the XYZ color 57.6986, 47.9023, 100.8128 looks on a white background.

Color Contrast Check

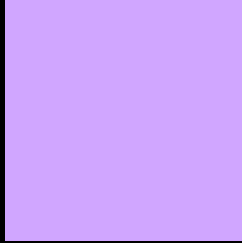
Large Text (above 18pt) WCAG AA × Fail

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 57.6986, 47.9023, 100.8128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

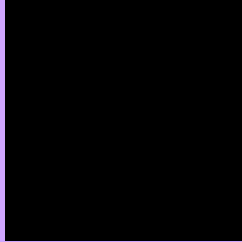
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6986, 47.9023, 100.8128

Background



This preview shows how black text looks on a background with the XYZ color 57.6986, 47.9023, 100.8128.



This preview shows how white text looks on a background with the XYZ color 57.6986, 47.9023,

100.8128.

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

57.6986, 47.9023, 100.8128

Protanopia

49.4759, 48.2530, 101.3138

Deuteranopia

49.4029, 48.2707, 98.8088



Tritanopia

48.7717, 47.9608, 57.1389

Trichromacy



Original Color

57.6986, 47.9023, 100.8128



Protanomaly

51.9354, 47.7356, 101.0843



Deuteranomaly

51.8454, 47.7262, 99.4080

Tritanomaly

51.6181, 47.6475, 71.4421

Monochromacy



Original Color

57.6986, 47.9023, 100.8128



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

51.2991, 49.5876, 69.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6986, 47.9023, 100.8128 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(208, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 166, 255)  
}
```

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(208, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.6986, 47.9023, 100.8128 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(208, 166, 255) }
```


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

```
.border{ border-color:rgb(208, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6986, 47.9023, 100.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 166, 255) }
```

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

```
.background{ background-color: rgb(208,  
166, 255) }
```

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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