

Converting Colors

XYZ(63.6148, 57.6278,
102.3782)

Have a look what the booklet for
XYZ(63.6148, 57.6278, 102.3782)
contains.

| | |
|--|----|
| XYZ(63.6882, 57.7613, 102.4001) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(63.6882, 57.7613,
102.4001)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D5BDFF |
| RGB | 213, 189, 255 |
| RGB Percent | 84%, 74%, 100% |
| CMY | 0.1647, 0.2588, 0.0000 |
| CMYK | 0.16, 0.26, 0.00, 0.00 |
| HSL | 262°, 100%, 87% |
| HSV | 262°, 26%, 100% |
| XYZ | 63.6882, 57.7613, 102.4001 |
| YIQ | 203.7000, -6.8820, 25.6140 |

Conversions

Conversions Part 2

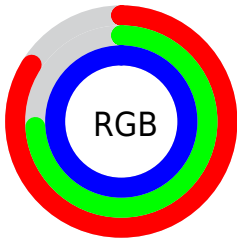
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 213, 189, 255 |
| Decimal | 14007807 |
| CIE Lab | 80.61, 21.13, -29.39 |
| CIE LCh | 81, 36.194, 305.714 |
| Yxy | 57.7613, 0.2845, 0.2580 |
| Android (android.graphics.Color) | 4292197887 (0xFFD5BDFF) |
| YUV | 203.7000, 25.2909, 8.1561 |
| Hunter-Lab | 76.0009, 16.5803, -26.6841 |

Details

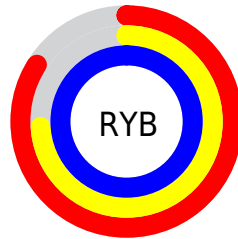
The XYZ color **63.6882, 57.7613, 102.4001** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.9013, 92.1835, 61.8340**, and the grayscale version is **57.0553, 60.0267, 65.3690**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **33.0978, 28.9546, 57.2704** is the 20% darker color. If you saturate the color by 10%, you get **54.2041, 45.4339, 100.5205**, and if you desaturate by 10%, it is **74.6110, 72.2647, 104.6238**.

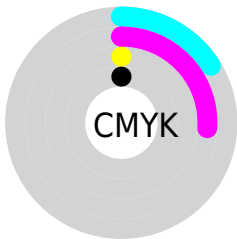
Distribution



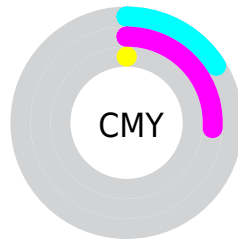
- Red (84%)
- Green (74%)
- Blue (100%)



- Red (84%)
- Yellow (74%)
- Blue (100%)



- Cyan (16%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6882, 57.7613, 102.4001 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 63.6882, 57.7613, 102.4001 by changing the saturation by 10% instead.

63.6882, 57.7613,
102.4001

63.6882, 57.7613,
102.4001

427.6829,
416.2959, 589.1728

46.6589, 41.6168,
77.6785

109.2380,
101.5752, 166.5321

32.9729, 28.8013,
57.2950

138.4893,
130.0133, 206.7796

22.2648, 18.9306,
40.8312

172.5452,
163.3181, 253.0394

14.1693, 11.6201,
27.8685

211.7712,
201.8740, 305.7302

8.3210, 6.4856,
17.9884

256.5326,
246.0653, 365.2703

4.3546, 3.1425,
10.7723

307.1948,

1.9046, 1.2066,

296.2765, 432.0784

5.8017

364.1231,
352.8919, 506.5731

■ 0.5795, 0.0671,
2.6580

■ 0.0000, 0.0000,
0.9222

■ 63.6882, 57.7613,
102.4001

■ 63.6882, 57.7613,
102.4001

■ 54.2041, 45.4339,
100.5205

■ 74.6110, 72.2647,
104.6238

■ 46.0894, 35.1674,
98.9666

■ 87.0273, 89.0376,
107.2069

■ 39.2761, 26.8466,
97.7196

95.0500, 100.0000,
108.9000

■ 33.6882, 20.3417,
96.7585

■ 29.2406, 15.5063,
96.0596

■ 25.8355, 12.1703,
95.5952

■ 23.3547, 10.1240,
95.3309

■ 22.5366, 9.5329,
95.2600

Harmonies

Analogous

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



56.3380, 57.7613, 113.1444



63.6882, 57.7613, 102.4001



69.0104, 57.7613, 81.3070

Triad

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



63.6882, 57.7613, 102.4001



61.0014, 57.7613, 32.4346



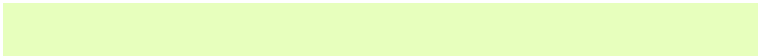
41.8522, 57.7613, 67.0631

Complementary

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



63.6882, 57.7613, 102.4001



77.9013, 92.1835, 61.8340

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.



42.8580, 57.7613, 47.4916



63.6882, 57.7613, 102.4001



53.4874, 57.7613, 30.2817

Square

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



63.6882, 57.7613, 102.4001



67.3636, 57.7613, 41.8668



46.9606, 57.7613, 35.1311



44.0778, 57.7613, 89.9892

Rectangle

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



63.6882, 57.7613, 102.4001



70.4492, 57.7613, 66.0065



46.9606, 57.7613, 35.1311



41.8263, 57.7613, 59.8775

Sweetspot

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



63.6899, 57.7636, 102.4004



84.2681, 85.2883, 106.6286



67.8662, 75.6972, 105.6418



17.6266, 17.6992, 22.7372



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.



63.6899, 57.7636, 102.4004



58.6584, 51.1869, 101.3962



73.9398, 63.0477, 102.8801



17.6266, 17.6992, 22.7372



11.9246, 5.0578, 49.7823



1.2758, 0.5516, 4.8525

Inverse Universe

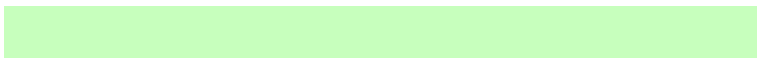
The Inverse Universe completely reimagines the original color for something new.



73.8626, 63.4267, 83.9521



70.5180, 57.7960, 79.5739



68.4734, 87.3233, 61.3927



18.4959, 18.1817, 21.2287



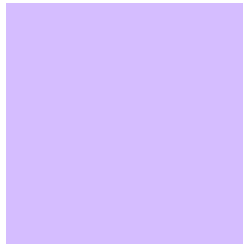
25.0434, 12.5066, 19.4107



2.4909, 1.2387, 2.1663

Previews

White Background



This preview shows how the XYZ color 63.6882, 57.7613, 102.4001 looks on a white background.

Color Contrast Check

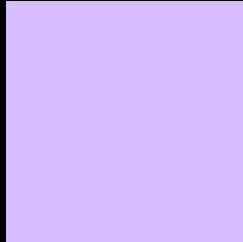
Large Text (above 18pt) WCAG AA × Fail

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 63.6882, 57.7613, 102.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

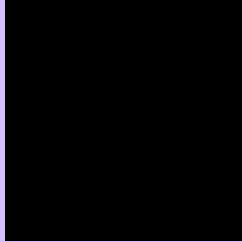
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6882, 57.7613, 102.4001

Background



This preview shows how black text looks on a background with the XYZ color 63.6882, 57.7613, 102.4001.

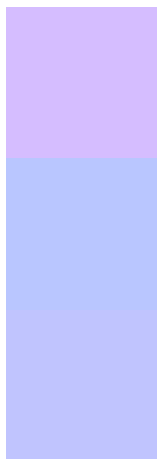


This preview shows how white text looks on a background with the XYZ color 63.6882, 57.7613,

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

63.6882, 57.7613, 102.4001

Protanopia

58.2517, 57.9225, 102.7177

Deuteranopia

59.3675, 57.8421, 101.8016



Tritanopia

57.3035, 57.8078, 70.4252

Trichromacy



Original Color

63.6882, 57.7613, 102.4001

Protanomaly

60.0708, 57.8523, 102.6083

Deuteranomaly

60.7788, 57.5750, 101.6756

Tritanomaly

59.5899, 57.7403, 81.4031

Monochromacy



Original Color

63.6882, 57.7613, 102.4001

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.4748, 59.4400, 78.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6882, 57.7613, 102.4001 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(213, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 189, 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(213, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6882, 57.7613, 102.4001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

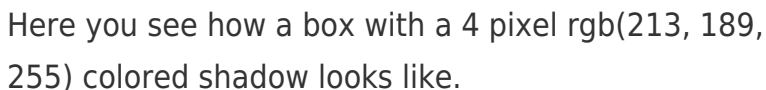
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 189, 255) }
```


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

```
.border{ border-color:rgb(213, 189, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 189, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 189, 255); box-shadow:4px 4px 4px 4px rgb(213, 189, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6882, 57.7613, 102.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 189, 255) }
```

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

```
.background{ background-color: rgb(213,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor