

Converting Colors

XYZ(83.0712, 67.1603,
200.8400)

Have a look what the booklet for
XYZ(83.0712, 67.1603, 200.8400)
contains.

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Color

**XYZ(64.4932, 59.8006,
102.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	D4C2FF
RGB	212, 194, 255
RGB Percent	83%, 76%, 100%
CMY	0.1686, 0.2392, 0.0000
CMYK	0.17, 0.24, 0.00, 0.00
HSL	258°, 100%, 88%
HSV	258°, 24%, 100%
XYZ	64.4932, 59.8006, 102.7513
YIQ	206.3360, -8.8530, 22.7870

Conversions

Conversions Part 2

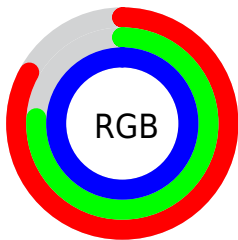
Format	Color
R _Y B	212, 194, 255
Decimal	13943551
CIE Lab	81.73, 18.12, -27.67
CIE LCh	82, 33.078, 303.215
Yxy	59.8006, 0.2841, 0.2634
Android (android.graphics.Color)	4292133631 (0xFFD4C2FF)
YUV	206.3360, 23.9914, 4.9673
Hunter-Lab	77.3308, 13.5383, -24.6484

Details

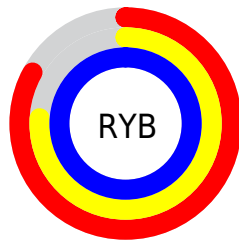
The XYZ color **64.4932, 59.8006, 102.7513** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.4237, 93.4201, 64.8346**, and the grayscale version is **58.7381, 61.7970, 67.2970**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **33.4758, 30.0015, 57.4526** is the 20% darker color. If you saturate the color by 10%, you get **54.4010, 46.8848, 100.7902**, and if you desaturate by 10%, it is **76.1395, 74.9660, 105.0646**.

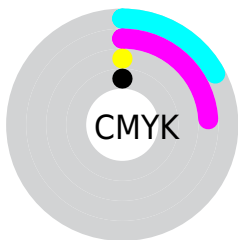
Distribution



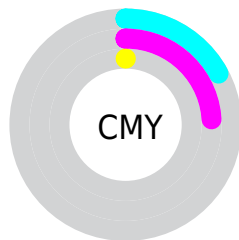
- Red (83%)
- Green (76%)
- Blue (100%)



- Red (83%)
- Yellow (76%)
- Blue (100%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4932, 59.8006, 102.7513 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 64.4932, 59.8006, 102.7513 by changing the saturation by 10% instead.

64.4932, 59.8006,
102.7513

64.4932, 59.8006,
102.7513

430.5426,
423.8624, 590.2999

47.3134, 43.2579,
77.9706

110.3907,
104.5404, 167.0177

33.4925, 30.0875,
57.5335

139.8391,
133.5062, 207.3406

22.6650, 19.9050,
41.0215

174.1078,
167.3820, 253.6812

14.4657, 12.3260,
28.0161

213.5621,
206.5520, 306.4581

8.5291, 6.9661,
18.0986

258.5674,
251.4006, 366.0899

4.4900, 3.4409,
10.8506

309.4890,

1.9829, 1.3660,

302.3123, 432.9951

5.8536

366.6922,
359.6714, 507.5922

■ 0.6243, 0.1915,
2.6889

■ 0.0000, 0.0000,
0.9378

■ 64.4932, 59.8006,
102.7513

■ 64.4932, 59.8006,
102.7513

■ 54.4010, 46.8848,
100.7902

■ 76.1395, 74.9660,
105.0646

■ 45.7893, 36.1024,
99.1628

■ 89.3988, 92.4755,
107.7455

■ 38.5857, 27.3373,
97.8507

95.0500, 100.0000,
108.9000

■ 32.7097, 20.4592,
96.8328

■ 28.0716, 15.3223,
96.0857

■ 24.5694, 11.7582,
95.5823

■ 22.0818, 9.5628,
95.2897

■ 20.9708, 8.7257,
95.1867

Harmonies

Analogous

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



57.5929, 59.8006, 111.3929



64.4932, 59.8006, 102.7513



69.6489, 59.8006, 83.9669

Triad

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



64.4932, 59.8006, 102.7513



63.0885, 59.8006, 36.5293



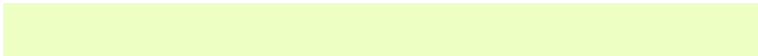
44.4910, 59.8006, 67.2871

Complementary

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



64.4932, 59.8006, 102.7513



80.4237, 93.4201, 64.8346

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.



45.7042, 59.8006, 49.3158



64.4932, 59.8006, 102.7513



56.0910, 59.8006, 33.8404

Square

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



64.4932, 59.8006, 102.7513



68.7926, 59.8006, 46.2850



49.8151, 59.8006, 38.0118



46.3566, 59.8006, 88.4580

Rectangle

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



64.4932, 59.8006, 102.7513



71.1980, 59.8006, 69.7489



49.8151, 59.8006, 38.0118



44.5528, 59.8006, 60.6866

Sweetspot

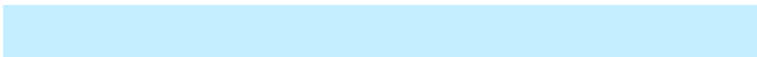
The Sweet Spot groups the original color and five complimentary colors.



64.4949, 59.8030, 102.7516



85.1389, 86.8264, 106.8796



70.7917, 79.6749, 106.2554



18.0485, 18.3532, 22.8412



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.



64.4949, 59.8030, 102.7516



59.1775, 52.9665, 101.7123



73.8867, 64.6446, 103.1911



17.5067, 17.6374, 22.7316



11.0867, 4.6259, 49.7431



1.1832, 0.5039, 4.8482

Inverse Universe

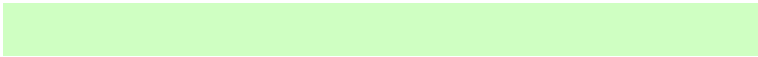
The Inverse Universe completely reimagines the original color for something new.



75.8191, 65.9601, 88.8575



72.5076, 60.2215, 85.0274



71.2918, 88.7124, 64.4072



18.5508, 18.2037, 21.5179



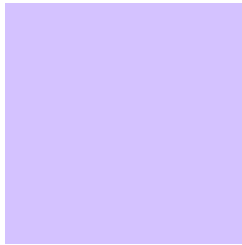
25.9091, 12.8529, 23.9694



2.5706, 1.2706, 2.5862

Previews

White Background



This preview shows how the XYZ color 64.4932, 59.8006, 102.7513 looks on a white background.

Color Contrast Check

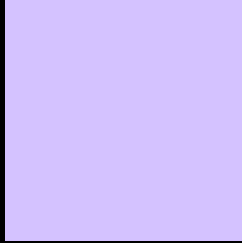
Large Text (above 18pt) WCAG AA × Fail

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 64.4932, 59.8006, 102.7513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

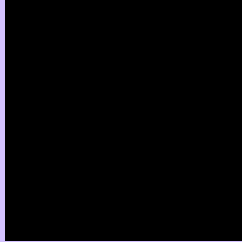
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4932, 59.8006, 102.7513

Background



This preview shows how black text looks on a background with the XYZ color 64.4932, 59.8006, 102.7513.

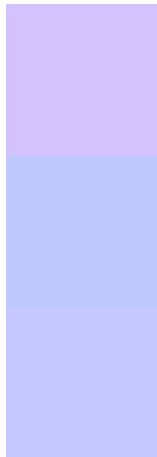


This preview shows how white text looks on a background with the XYZ color 64.4932, 59.8006,

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

64.4932, 59.8006, 102.7513

Protanopia

60.1718, 59.9404, 103.0060

Deuteranopia

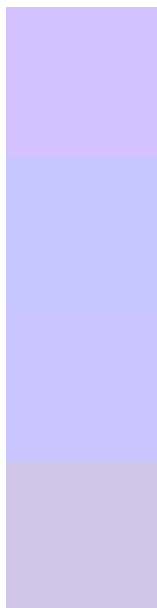
61.3388, 59.8729, 102.0897



Tritanopia

58.5879, 59.7622, 74.0930

Trichromacy



Original Color

64.4932, 59.8006, 102.7513

Protanomaly

61.5328, 59.6139, 102.8713

Deuteranomaly

62.2128, 59.6448, 101.9996

Tritanomaly

60.6303, 59.5676, 83.9034

Monochromacy



Original Color

64.4932, 59.8006, 102.7513

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

60.5875, 61.0328, 79.1082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4932, 59.8006, 102.7513 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(212, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 194, 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(212, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4932, 59.8006, 102.7513 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(212, 194, 255) }
```


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

```
.border{ border-color:rgb(212, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4932, 59.8006, 102.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 194, 255) }
```

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

```
.background{ background-color: rgb(212,  
194, 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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