

Converting Colors

XYZ(66.1847, 58.4773,
113.5606)

Have a look what the booklet for
XYZ(66.1847, 58.4773, 113.5606)
contains.

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Color

**XYZ(64.0576, 57.6335,
102.3559)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BCFF
RGB	215, 188, 255
RGB Percent	84%, 74%, 100%
CMY	0.1569, 0.2627, 0.0000
CMYK	0.16, 0.26, 0.00, 0.00
HSL	264°, 100%, 87%
HSV	264°, 26%, 100%
XYZ	64.0576, 57.6335, 102.3559
YIQ	203.7110, -5.4150, 26.5610

Conversions

Conversions Part 2

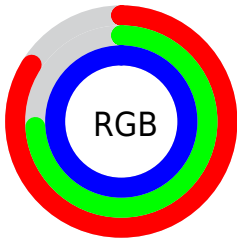
Format	Color
R _Y B	215, 188, 255
Decimal	14138623
CIE Lab	80.53, 22.28, -29.48
CIE LCh	81, 36.953, 307.078
Yxy	57.6335, 0.2859, 0.2572
Android (android.graphics.Color)	4292328703 (0xFFD7BCFF)
YUV	203.7110, 25.2855, 9.9005
Hunter-Lab	75.9167, 17.7618, -26.7969

Details

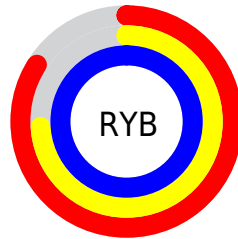
The XYZ color **64.0576, 57.6335, 102.3559** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.8330, 91.6453, 61.2192**, and the grayscale version is **57.0617, 60.0333, 65.3763**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **33.3542, 28.8787, 57.2423** is the 20% darker color. If you saturate the color by 10%, you get **54.8198, 45.4877, 100.4984**, and if you desaturate by 10%, it is **74.6772, 71.9232, 104.5544**.

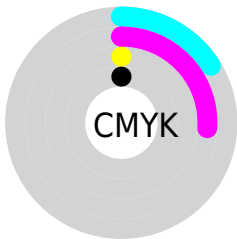
Distribution



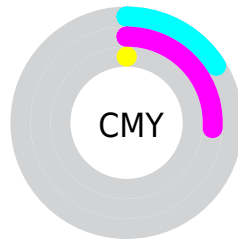
- Red (84%)
- Green (74%)
- Blue (100%)



- 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 64.0576, 57.6335, 102.3559 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 64.0576, 57.6335, 102.3559 by changing the saturation by 10% instead.

64.0576, 57.6335,
102.3559

64.0576, 57.6335,
102.3559

428.9965,
415.8189, 589.0308

46.9592, 41.5141,
77.6417

109.7672,
101.3890, 166.4710

33.2112, 28.7210,
57.2650

139.1090,
129.7938, 206.7090

22.4483, 18.8699,
40.8072

173.2627,
163.0625, 252.9586

14.3051, 11.5763,
27.8499

212.5936,
201.5796, 305.6385

8.4163, 6.4559,
17.9745

257.4671,
245.7294, 365.1671

4.4165, 3.1242,
10.7624

308.2485,

1.9404, 1.1969,

295.8962, 431.9630

5.7952

365.3032,
352.4646, 506.4447

■ 0.6001, 0.0592,
2.6542

■ 0.0000, 0.0000,
0.9202

■ 64.0576, 57.6335,
102.3559

■ 64.0576, 57.6335,
102.3559

■ 54.8198, 45.4877,
100.4984

■ 74.6772, 71.9232,
104.5544

■ 46.8967, 35.3716,
98.9634

■ 86.7313, 88.4492,
107.1089

■ 40.2230, 27.1710,
97.7323

95.0500, 100.0000,
108.9000

■ 34.7250, 20.7568,
96.7840

■ 30.3204, 15.9838,
96.0949

■ 26.9142, 12.6821,
95.6371

■ 24.3906, 10.6419,
95.3763

■ 23.6162, 10.0895,
95.3105

Harmonies

Analogous

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



56.5970, 57.6335, 114.0431



64.0576, 57.6335, 102.3559



69.3506, 57.6335, 80.4808

Triad

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



64.0576, 57.6335, 102.3559



60.6621, 57.6335, 31.5914



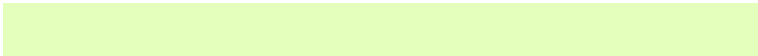
41.5344, 57.6335, 68.0456

Complementary

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



64.0576, 57.6335, 102.3559



76.8330, 91.6453, 61.2192

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.



42.4063, 57.6335, 47.8408



64.0576, 57.6335, 102.3559



53.0002, 57.6335, 29.7416

Square

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



64.0576, 57.6335, 102.3559



67.2673, 57.6335, 40.7757



46.4425, 57.6335, 34.9641



43.9406, 57.6335, 91.4769

Rectangle

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



64.0576, 57.6335, 102.3559



70.6856, 57.6335, 64.9080



46.4425, 57.6335, 34.9641



41.4578, 57.6335, 60.6464

Sweetspot

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



64.0593, 57.6358, 102.3563



84.5443, 85.4307, 106.6416



66.5891, 73.5098, 105.2869



17.6959, 17.7350, 22.7405



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.



64.0593, 57.6358, 102.3563



58.6028, 50.4232, 101.2517



74.8522, 63.1997, 102.8614



17.6959, 17.7350, 22.7405



12.4978, 5.3533, 49.8092



1.3364, 0.5829, 4.8553

Inverse Universe

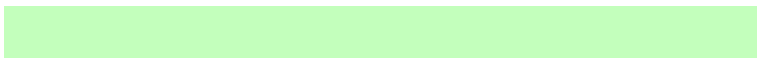
The Inverse Universe completely reimagines the original color for something new.



73.2280, 62.8299, 81.6679



69.4608, 56.5809, 76.4492



67.2668, 86.7137, 60.7715



18.4646, 18.1692, 21.0640



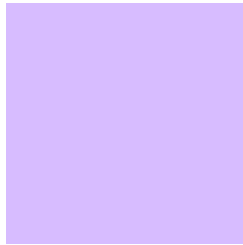
24.5962, 12.3278, 17.0561



2.4489, 1.2220, 1.9456

Previews

White Background



This preview shows how the XYZ color 64.0576, 57.6335, 102.3559 looks on a white background.

Color Contrast Check

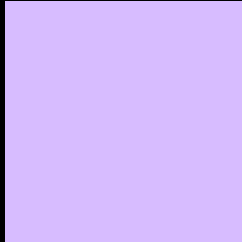
Large Text (above 18pt) WCAG AA × Fail

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 64.0576, 57.6335, 102.3559 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 64.0576, 57.6335, 102.3559

Background



This preview shows how black text looks on a background with the XYZ color 64.0576, 57.6335, 102.3559.

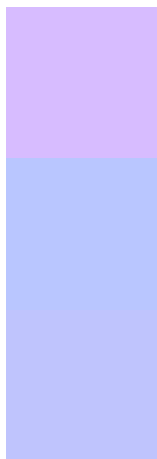


This preview shows how white text looks on a background with the XYZ color 64.0576, 57.6335,

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

64.0576, 57.6335, 102.3559

Protanopia

58.2517, 57.9225, 102.7177

Deuteranopia

58.9554, 57.6481, 100.9484



Tritanopia

57.6360, 57.6432, 70.3759

Trichromacy



Original Color

64.0576, 57.6335, 102.3559

Protanomaly

60.1067, 57.5393, 102.5460

Deuteranomaly

60.7788, 57.5750, 101.6756

Tritanomaly

59.9375, 57.5902, 81.3558

Monochromacy



Original Color

64.0576, 57.6335, 102.3559

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.5258, 59.1258, 78.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0576, 57.6335, 102.3559 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(215, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 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(215, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.0576, 57.6335, 102.3559 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(215, 188, 255) }
```


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

```
.border{ border-color:rgb(215, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0576, 57.6335, 102.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 255) }
```

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

```
.background{ background-color: rgb(215,  
188, 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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