

Converting Colors

XYZ(68.0776, 58.9010,
120.4634)

Have a look what the booklet for
XYZ(68.0776, 58.9010, 120.4634)
contains.

XYZ(64.7338, 57.6661, 102.3266)	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(64.7338, 57.6661,
102.3266)**

Conversions

Conversions Part 1

Format	Color
Hex	DABBFF
RGB	218, 187, 255
RGB Percent	85%, 73%, 100%
CMY	0.1451, 0.2666, 0.0000
CMYK	0.15, 0.27, 0.00, 0.00
HSL	267°, 100%, 87%
HSV	267°, 27%, 100%
XYZ	64.7338, 57.6661, 102.3266
YIQ	204.0210, -3.3520, 27.7200

Conversions

Conversions Part 2

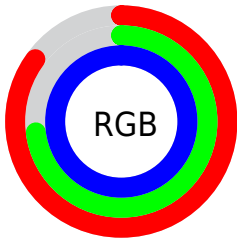
Format	Color
R _Y B	218, 187, 255
Decimal	14334975
CIE Lab	80.55, 23.74, -29.43
CIE LCh	81, 37.812, 308.887
Yxy	57.6661, 0.2881, 0.2566
Android (android.graphics.Color)	4292525055 (0xFFDABBFF)
YUV	204.0210, 25.1326, 12.2596
Hunter-Lab	75.9382, 19.2711, -26.7364

Details

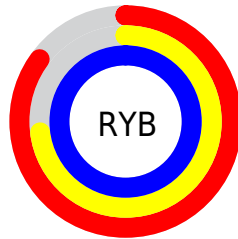
The XYZ color **64.7338, 57.6661, 102.3266** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.4713, 90.9557, 60.5948**, and the grayscale version is **57.2571, 60.2389, 65.6002**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **33.6184, 28.8088, 57.2148** is the 20% darker color. If you saturate the color by 10%, you get **55.8200, 45.7419, 100.4948**, and if you desaturate by 10%, it is **74.9588, 71.6950, 104.4955**.

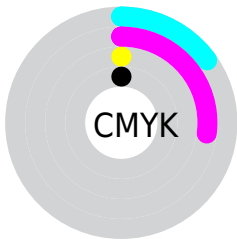
Distribution



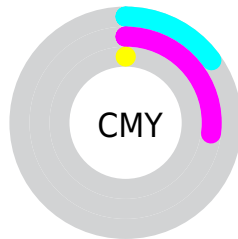
- Red (85%)
- Green (73%)
- Blue (100%)



- Red (85%)
- Yellow (73%)
- Blue (100%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7338, 57.6661, 102.3266 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 64.7338, 57.6661, 102.3266 by changing the saturation by 10% instead.

64.7338, 57.6661,
102.3266

64.7338, 57.6661,
102.3266

431.3951,
415.9406, 588.9368

47.5092, 41.5403,
77.6173

110.7349,
101.4365, 166.4305

33.6480, 28.7415,
57.2451

140.2421,
129.8498, 206.6622

22.7849, 18.8853,
40.7914

174.5741,
163.1277, 252.9051

14.5546, 11.5875,
27.8376

214.0964,
201.6547, 305.5777

8.5917, 6.4634,
17.9653

259.1743,
245.8151, 365.0987

4.5308, 3.1289,
10.7559

310.1731,

2.0066, 1.1994,

295.9932, 431.8865

5.7908

367.4583,
352.5736, 506.3597

■ 0.6377, 0.0612,
2.6516

■ 0.0000, 0.0000,
0.9189

■ 64.7338, 57.6661,
102.3266

■ 64.7338, 57.6661,
102.3266

■ 55.8200, 45.7419,
100.4948

■ 74.9588, 71.6950,
104.4955

■ 48.1531, 35.8093,
98.9817

■ 86.5452, 87.9199,
107.0166

■ 41.6705, 27.7552,
97.7688

95.0500, 100.0000,
108.9000

■ 36.3014, 21.4518,
96.8351

■ 31.9666, 16.7546,
96.1569

■ 28.5740, 13.4947,
95.7065

■ 26.0103, 11.4607,
95.4490

■ 25.2857, 10.9501,
95.3886

Harmonies

Analogous

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



57.1505, 57.6661, 115.2557



64.7338, 57.6661, 102.3266



69.9610, 57.6661, 79.4951

Triad

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



64.7338, 57.6661, 102.3266



60.3691, 57.6661, 30.7354



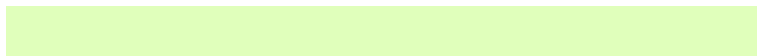
41.3352, 57.6661, 69.6333

Complementary

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



64.7338, 57.6661, 102.3266



75.4713, 90.9557, 60.5948

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.



42.0212, 57.6661, 48.6038



64.7338, 57.6661, 102.3266



52.5341, 57.6661, 29.2938

Square

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



64.7338, 57.6661, 102.3266



67.2801, 57.6661, 39.5765



45.9559, 57.6661, 35.0265



43.9844, 57.6661, 93.6609

Rectangle

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



64.7338, 57.6661, 102.3266



71.1443, 57.6661, 63.6230



45.9559, 57.6661, 35.0265



41.1891, 57.6661, 61.9615

Sweetspot

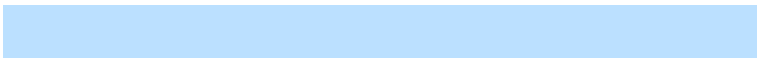
The Sweet Spot groups the original color and five complimentary colors.



64.7355, 57.6684, 102.3269



84.9175, 85.6231, 106.6590



65.3085, 71.3131, 104.9304



17.7897, 17.7833, 22.7449



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.



64.7355, 57.6684, 102.3269



59.8199, 51.0506, 101.3087



75.8216, 63.3835, 102.8457



17.7897, 17.7833, 22.7449



13.3795, 5.8079, 49.8504



1.4268, 0.6294, 4.8596

Inverse Universe

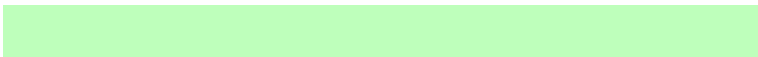
The Inverse Universe completely reimagines the original color for something new.



72.4661, 62.1845, 78.7060



68.8891, 56.3523, 73.4388



66.0665, 86.1074, 60.1546



18.4228, 18.1524, 20.8438



24.0507, 12.1096, 14.1832



2.3969, 1.2011, 1.6714

Previews

White Background



This preview shows how the XYZ color 64.7338, 57.6661, 102.3266 looks on a white background.

Color Contrast Check

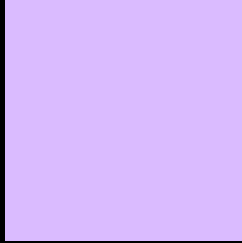
Large Text (above 18pt) WCAG AA × Fail

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 64.7338, 57.6661, 102.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

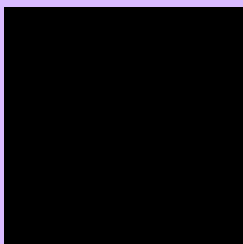
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7338, 57.6661, 102.3266

Background



This preview shows how black text looks on a background with the XYZ color 64.7338, 57.6661, 102.3266.

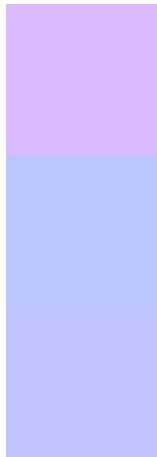


This preview shows how white text looks on a background with the XYZ color 64.7338, 57.6661,

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

64.7338, 57.6661, 102.3266

Protanopia

58.2517, 57.9225, 102.7177

Deuteranopia

59.2078, 57.7782, 100.9602



Tritanopia

58.1369, 57.5822, 69.6784

Trichromacy



Original Color

64.7338, 57.6661, 102.3266

Protanomaly

60.3677, 57.6739, 102.5582

Deuteranomaly

61.0468, 57.7132, 101.6882

Tritanomaly

60.4463, 57.5415, 80.5938

Monochromacy



Original Color

64.7338, 57.6661, 102.3266

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

59.8079, 59.2712, 78.1003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7338, 57.6661, 102.3266 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(218, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 187, 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(218, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7338, 57.6661, 102.3266 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(218, 187, 255) }
```


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

```
.border{ border-color:rgb(218, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7338, 57.6661, 102.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 187, 255) }
```

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

```
.background{ background-color: rgb(218,  
187, 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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