

Converting Colors

XYZ(68.1219, 57.5622,
123.1270)

Have a look what the booklet for
XYZ(68.1219, 57.5622, 123.1270)
contains.

XYZ(64.1969, 56.1470, 102.0617)	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(64.1969, 56.1470,
102.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	DBB7FF
RGB	219, 183, 255
RGB Percent	86%, 72%, 100%
CMY	0.1412, 0.2823, 0.0000
CMYK	0.14, 0.28, 0.00, 0.00
HSL	270°, 100%, 86%
HSV	270°, 28%, 100%
XYZ	64.1969, 56.1470, 102.0617
YIQ	201.9720, -1.6560, 30.0240

Conversions

Conversions Part 2

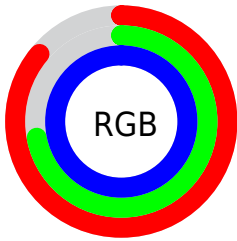
Format	Color
R _Y B	219, 183, 255
Decimal	14399487
CIE Lab	79.70, 26.21, -30.74
CIE LCh	80, 40.392, 310.449
Yxy	56.1470, 0.2886, 0.2525
Android (android.graphics.Color)	4292589567 (0xFFDDBB7FF)
YUV	201.9720, 26.1428, 14.9336
Hunter-Lab	74.9313, 21.7989, -28.3052

Details

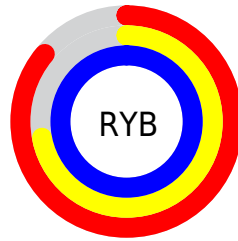
The XYZ color **64.1969, 56.1470, 102.0617** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5217, 89.9995, 58.2988**, and the grayscale version is **55.9659, 58.8805, 64.1209**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **33.2799, 27.8290, 57.0436** is the 20% darker color. If you saturate the color by 10%, you get **55.7163, 44.6630, 100.2920**, and if you desaturate by 10%, it is **73.9274, 69.6925, 104.1633**.

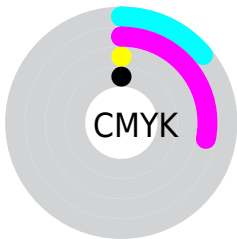
Distribution



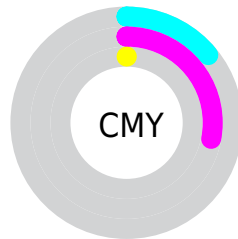
- Red (86%)
- Green (72%)
- Blue (100%)



- Red (86%)
- Yellow (72%)
- Blue (100%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1969, 56.1470, 102.0617 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 64.1969, 56.1470, 102.0617 by changing the saturation by 10% instead.

64.1969, 56.1470,
102.0617

64.1969, 56.1470,
102.0617

429.4913,
410.2452, 588.0857

47.0724, 40.3208,
77.3970

109.9666, 99.2195,
166.0641

33.3011, 27.7888,
57.0653

139.3426,
127.2345, 206.2389

22.5176, 18.1665,
40.6479

173.5331,
160.0813, 252.4207

14.3564, 11.0696,
27.7265

212.9035,
198.1443, 305.0283

8.4523, 6.1137,
17.8823

257.8192,
241.8077, 364.4800

4.4399, 2.9143,
10.6970

308.6455,

1.9539, 1.0872,

291.4561, 431.1944

5.7519

365.7477,
347.4738, 505.5901

■ 0.6079, 0.0000,
2.6285

■ 0.0000, 0.0000,
0.9071

■ 64.1969, 56.1470,
102.0617

■ 64.1969, 56.1470,
102.0617

■ 55.7163, 44.6630,
100.2920

■ 73.9274, 69.6925,
104.1633

■ 48.4225, 35.1274,
98.8359

■ 84.9569, 85.3913,
106.6122

■ 42.2543, 27.4262,
97.6745

95.0500, 100.0000,
108.9000

■ 37.1418, 21.4306,
96.7867

■ 33.0064, 16.9941,
96.1483

■ 29.7562, 13.9441,
95.7309

■ 27.2669, 12.0441,
95.4954

■ 26.8772, 11.7706,
95.4631

Harmonies

Analogous

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



56.2602, 56.1470, 116.7714



64.1969, 56.1470, 102.0617



69.5446, 56.1470, 77.4239

Triad

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



64.1969, 56.1470, 102.0617



58.7861, 56.1470, 27.8347



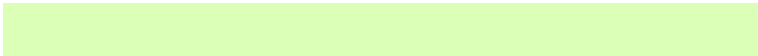
39.3858, 56.1470, 69.6445

Complementary

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



64.1969, 56.1470, 102.0617



73.5217, 89.9995, 58.2988

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.



39.9140, 56.1470, 47.3069



64.1969, 56.1470, 102.0617



50.5729, 56.1470, 26.7575

Square

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



64.1969, 56.1470, 102.0617



66.2072, 56.1470, 36.3870



43.8275, 56.1470, 32.9375



42.3029, 56.1470, 95.1349

Rectangle

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



64.1969, 56.1470, 102.0617



70.6280, 56.1470, 60.7831



43.8275, 56.1470, 32.9375



39.1742, 56.1470, 61.4873

Sweetspot

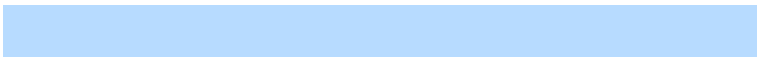
The Sweet Spot groups the original color and five complimentary colors.



64.1986, 56.1493, 102.0620



85.2304, 85.7844, 106.6737



62.9116, 67.9520, 104.4080



17.8684, 17.8239, 22.7485



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.



64.1986, 56.1493, 102.0620



59.1587, 49.2813, 101.0020



76.2244, 62.3488, 102.6248



17.8684, 17.8239, 22.7485



14.2161, 6.2391, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

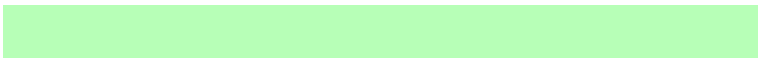
The Inverse Universe completely reimagines the original color for something new.



70.9609, 60.2434, 74.9073



67.1376, 54.1120, 68.9621



63.8372, 85.0069, 57.8456



18.3882, 18.1386, 20.6613



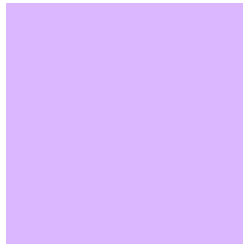
23.6429, 11.9464, 12.0357



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 64.1969, 56.1470, 102.0617 looks on a white background.

Color Contrast Check

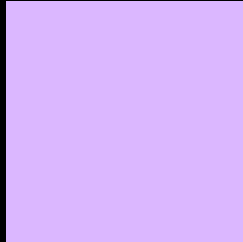
Large Text (above 18pt) WCAG AA × Fail

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 64.1969, 56.1470, 102.0617 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 64.1969, 56.1470, 102.0617

Background



This preview shows how black text looks on a background with the XYZ color 64.1969, 56.1470, 102.0617.

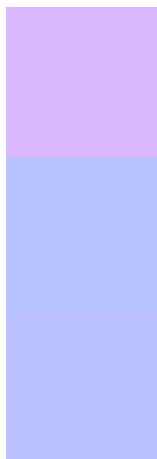


This preview shows how white text looks on a background with the XYZ color 64.1969, 56.1470,

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

64.1969, 56.1470, 102.0617

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

57.7604, 56.3668, 100.7641



Tritanopia

56.9761, 56.0532, 66.8479

Trichromacy



Original Color

64.1969, 56.1470, 102.0617

Protanomaly

59.1865, 56.0837, 102.3135

Deuteranomaly

59.8560, 56.1248, 101.4443

Tritanomaly

59.3837, 56.0732, 78.2144

Monochromacy



Original Color

64.1969, 56.1470, 102.0617

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

58.5787, 57.6606, 76.4488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1969, 56.1470, 102.0617 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(219, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 183, 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(219, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1969, 56.1470, 102.0617 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(219, 183, 255) }
```


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

```
.border{ border-color:rgb(219, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1969, 56.1470, 102.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 183, 255) }
```

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

```
.background{ background-color: rgb(219,  
183, 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