

Converting Colors

XYZ(64.4611, 56.4673,
102.1096)

Have a look what the booklet for
XYZ(64.4611, 56.4673, 102.1096)
contains.

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Color

**XYZ(64.4039, 56.5610,
102.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	DBB8FF
RGB	219, 184, 255
RGB Percent	86%, 72%, 100%
CMY	0.1412, 0.2784, 0.0000
CMYK	0.14, 0.28, 0.00, 0.00
HSL	270°, 100%, 86%
HSV	270°, 28%, 100%
XYZ	64.4039, 56.5610, 102.1307
YIQ	202.5590, -1.9310, 29.5010

Conversions

Conversions Part 2

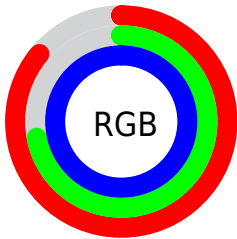
Format	Color
R _Y B	219, 184, 255
Decimal	14399743
CIE Lab	79.93, 25.67, -30.38
CIE LCh	80, 39.768, 310.194
Yxy	56.5610, 0.2887, 0.2535
Android (android.graphics.Color)	4292589823 (0xFFDDBB8FF)
YUV	202.5590, 25.8534, 14.4188
Hunter-Lab	75.2070, 21.2470, -27.8705

Details

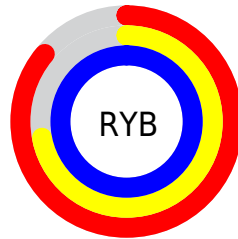
The XYZ color **64.4039, 56.5610, 102.1307** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.9280, 90.1968, 58.8632**, and the grayscale version is **56.3340, 59.2677, 64.5425**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **33.4136, 28.0963, 57.0881** is the 20% darker color. If you saturate the color by 10%, you get **55.8369, 44.9784, 100.3465**, and if you desaturate by 10%, it is **74.2311, 70.2133, 104.2479**.

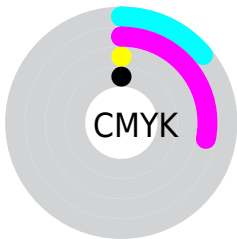
Distribution



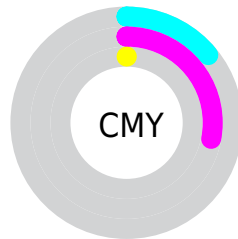
- Red (86%)
- Green (72%)
- Blue (100%)



- 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 64.4039, 56.5610, 102.1307 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 64.4039, 56.5610, 102.1307 by changing the saturation by 10% instead.


 64.4039, 56.5610,
102.1307

 64.4039, 56.5610,
102.1307


430.2259,
411.8023, 588.3074

 47.2408, 40.6529,
77.4544


 110.2629, 99.8243,
166.1595

 33.4348, 28.0480,
57.1121


139.6895,
127.9484, 206.3491

 22.6206, 18.3618,
40.6853

173.9346,
160.9132, 252.5469

 14.4327, 11.2101,
27.7554

213.3637,
199.1031, 305.1714

 8.5060, 6.2083,
17.9039

258.3420,
242.9026, 364.6412

 4.4749, 2.9722,
10.7123

309.2349,

 1.9741, 1.1172,

292.6960, 431.3747

5.7620

366.4077,
348.8678, 505.7906

■ 0.6194, 0.0000,
2.6345

■ 0.0000, 0.0000,
0.9102

■ 64.4039, 56.5610,
102.1307

■ 64.4039, 56.5610,
102.1307

■ 55.8369, 44.9784,
100.3465

■ 74.2311, 70.2133,
104.2479

■ 48.4670, 35.3526,
98.8770

■ 85.3675, 86.0268,
106.7132

■ 42.2327, 27.5699,
97.7034

95.0500, 100.0000,
108.9000

■ 37.0641, 21.5018,
96.8045

■ 32.8828, 17.0024,
96.1564

■ 29.5971, 13.9003,
95.7308

■ 27.0866, 11.9672,
95.4900

■ 26.6107, 11.6332,
95.4506

Harmonies

Analogous

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



56.5516, 56.5610, 116.4674



64.4039, 56.5610, 102.1307



69.7129, 56.5610, 77.8966

Triad

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



64.4039, 56.5610, 102.1307



59.1883, 56.5610, 28.5330



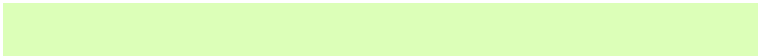
39.8931, 56.5610, 69.7862

Complementary

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



64.4039, 56.5610, 102.1307



73.9280, 90.1968, 58.8632

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.



40.4470, 56.5610, 47.7265



64.4039, 56.5610, 102.1307



51.0609, 56.5610, 27.3949

Square

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



64.4039, 56.5610, 102.1307



66.4993, 56.5610, 37.1352



44.3578, 56.5610, 33.5037



42.7606, 56.5610, 94.9323

Rectangle

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



64.4039, 56.5610, 102.1307



70.8096, 56.5610, 61.4352



44.3578, 56.5610, 33.5037



39.6928, 56.5610, 61.7357

Sweetspot

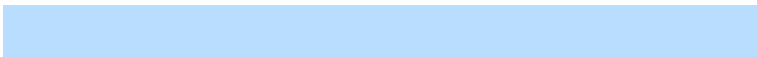
The Sweet Spot groups the original color and five complimentary colors.



64.4056, 56.5633, 102.1310



85.1803, 85.7586, 106.6713



63.5917, 68.9579, 104.5663



17.8558, 17.8174, 22.7479



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.



64.4056, 56.5633, 102.1310



59.8320, 50.3357, 101.1700



75.9974, 62.5391, 102.6735



17.8558, 17.8174, 22.7479



14.0762, 6.1670, 49.8830



1.4963, 0.6653, 4.8628

Inverse Universe

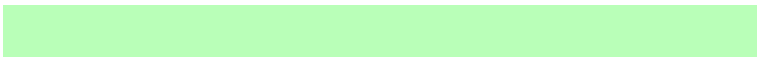
The Inverse Universe completely reimagines the original color for something new.



71.3000, 60.7102, 75.6719



67.8506, 55.1596, 70.3664



64.4651, 85.3185, 58.4203



18.3937, 18.1408, 20.6904



23.7051, 11.9713, 12.3636



2.3633, 1.1877, 1.4944

Previews

White Background



This preview shows how the XYZ color 64.4039, 56.5610, 102.1307 looks on a white background.

Color Contrast Check

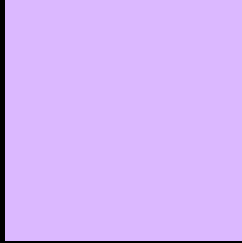
Large Text (above 18pt) WCAG AA × Fail

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 64.4039, 56.5610, 102.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

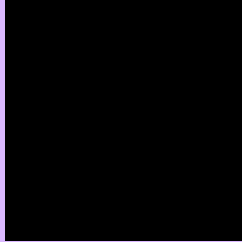
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4039, 56.5610, 102.1307

Background



This preview shows how black text looks on a background with the XYZ color 64.4039, 56.5610, 102.1307.

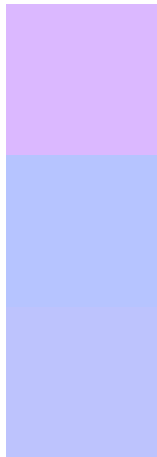


This preview shows how white text looks on a background with the XYZ color 64.4039, 56.5610,

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

64.4039, 56.5610, 102.1307

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

58.2310, 56.9409, 100.8501



Tritanopia

57.3191, 56.5429, 67.5673

Trichromacy



Original Color

64.4039, 56.5610, 102.1307

Protanomaly

59.4053, 56.5214, 102.3865

Deuteranomaly

60.3396, 56.6967, 101.5293

Tritanomaly

59.7356, 56.5593, 79.0028

Monochromacy



Original Color

64.4039, 56.5610, 102.1307

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

59.2192, 58.3091, 77.2408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4039, 56.5610, 102.1307 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4039, 56.5610, 102.1307 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, 184, 255) }
```


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

```
.border{ border-color:rgb(219, 184, 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, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4039, 56.5610, 102.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 184, 255) }
```

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

```
.background{ background-color: rgb(219,  
184, 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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