

Converting Colors

XYZ(66.9499, 56.7351,
102.8411)

Have a look what the booklet for
XYZ(66.9499, 56.7351, 102.8411)
contains.

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Color

**XYZ(66.6844, 56.5205,
102.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B4FF
RGB	229, 180, 255
RGB Percent	90%, 71%, 100%
CMY	0.1020, 0.2941, 0.0000
CMYK	0.10, 0.29, 0.00, 0.00
HSL	279°, 100%, 85%
HSV	279°, 29%, 100%
XYZ	66.6844, 56.5205, 102.0026
YIQ	203.2010, 5.1290, 33.7130

Conversions

Conversions Part 2

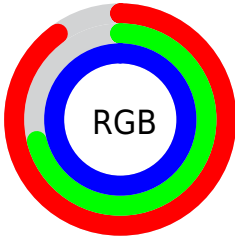
Format	Color
R _Y B	229, 180, 255
Decimal	15054079
CIE Lab	79.91, 30.89, -30.33
CIE LCh	80, 43.292, 315.517
Yxy	56.5205, 0.2961, 0.2510
Android (android.graphics.Color)	4293244159 (0xFFE5B4FF)
YUV	203.2010, 25.5369, 22.6257
Hunter-Lab	75.1801, 26.7634, -27.8172

Details

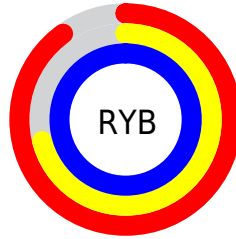
The XYZ color **66.6844, 56.5205, 102.0026** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.4529, 87.9376, 56.4956**, and the grayscale version is **56.7348, 59.6895, 65.0018**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **35.0160, 28.1402, 57.0121** is the 20% darker color. If you saturate the color by 10%, you get **59.2535, 45.7392, 100.3133**, and if you desaturate by 10%, it is **75.2092, 69.2743, 104.0151**.

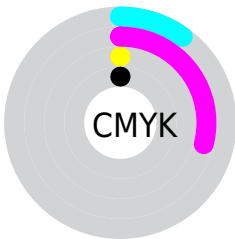
Distribution



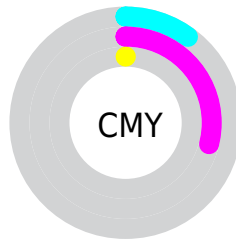
- Red (90%)
- Green (71%)
- Blue (100%)



- Red (90%)
- Yellow (71%)
- Blue (100%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6844, 56.5205, 102.0026 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 66.6844, 56.5205, 102.0026 by changing the saturation by 10% instead.

66.6844, 56.5205,
102.0026

66.6844, 56.5205,
102.0026

438.2707,
411.6501, 587.8957

49.0979, 40.6204,
77.3479

113.5204, 99.7652,
165.9823

34.9120, 28.0226,
57.0252

143.5006,
127.8786, 206.1444

23.7613, 18.3427,
40.6159

178.3428,
160.8318, 252.3126

15.2804, 11.1963,
27.7017

218.4123,
199.0094, 304.9056

9.1040, 6.1990,
17.8638

264.0745,
242.7956, 364.3419

4.8668, 2.9665,
10.6838

315.6947,

2.2032, 1.1143,

292.5748, 431.0400

5.7432

373.6384,
348.7315, 505.4184

■ 0.7445, 0.0000,
2.6233

■ 0.0000, 0.0000,
0.9044

■ 66.6844, 56.5205,
102.0026

■ 66.6844, 56.5205,
102.0026

■ 59.2535, 45.7392,
100.3133

■ 75.2092, 69.2743,
104.0151

■ 52.8575, 36.8184,
98.9285

■ 84.8729, 84.0908,
106.3656

■ 47.4387, 29.6453,
97.8296

95.0500, 100.0000,
108.9000

■ 42.9315, 24.0917,
96.9952

■ 39.2609, 20.0112,
96.4010

■ 36.3384, 17.2300,
96.0182

■ 34.0290, 15.4817,
95.8025

■ 33.9025, 15.3923,
95.7919

Harmonies

Analogous

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



58.3638, 56.5205, 120.8515



66.6844, 56.5205, 102.0026



71.7749, 56.5205, 74.4382

Triad

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



66.6844, 56.5205, 102.0026



58.0534, 56.5205, 25.6024



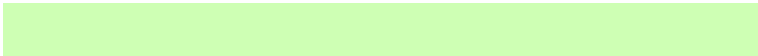
39.0446, 56.5205, 75.3990

Complementary

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



66.6844, 56.5205, 102.0026



69.4529, 87.9376, 56.4956

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.



38.9809, 56.5205, 50.2272



66.6844, 56.5205, 102.0026



49.3312, 56.5205, 25.7285

Square

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



66.6844, 56.5205, 102.0026



66.4359, 56.5205, 33.0962



42.5570, 56.5205, 33.5059



42.7417, 56.5205, 102.8691

Rectangle

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



66.6844, 56.5205, 102.0026



72.3321, 56.5205, 57.0101



42.5570, 56.5205, 33.5059



38.6121, 56.5205, 66.3063

Sweetspot

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



66.6861, 56.5228, 102.0030



85.2941, 84.7436, 106.4694



59.0058, 61.1884, 103.3083



17.9384, 17.6462, 22.7106



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.



66.6861, 56.5228, 102.0030



62.4002, 50.2587, 101.0198



73.8535, 60.4209, 93.1595



18.1456, 17.9668, 22.7615



17.8820, 8.1290, 50.0611



1.8589, 0.8522, 4.8798

Inverse Universe

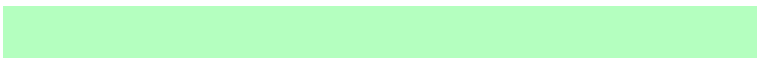
The Inverse Universe completely reimagines the original color for something new.



68.7031, 58.3607, 66.0377



64.8733, 52.4586, 59.3430



64.0154, 84.9966, 62.4689



18.2693, 18.0910, 20.0353



22.5410, 11.5057, 6.2332



2.2439, 1.1399, 0.8659

Previews

White Background



This preview shows how the XYZ color 66.6844, 56.5205, 102.0026 looks on a white background.

Color Contrast Check

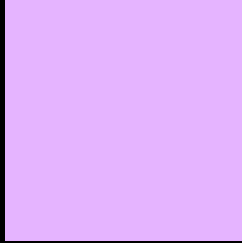
Large Text (above 18pt) WCAG AA × Fail

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 66.6844, 56.5205, 102.0026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

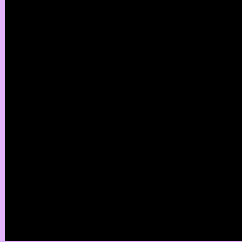
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6844, 56.5205, 102.0026

Background



This preview shows how black text looks on a background with the XYZ color 66.6844, 56.5205, 102.0026.

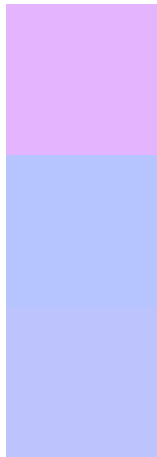


This preview shows how white text looks on a background with the XYZ color 66.6844, 56.5205,

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

66.6844, 56.5205, 102.0026

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

58.0721, 56.8773, 100.0132



Tritanopia

59.2517, 56.6068, 65.5609

Trichromacy



Original Color

66.6844, 56.5205, 102.0026



Protanomaly

60.0166, 56.1890, 102.2901



Deuteranomaly

61.0449, 56.7561, 100.6661



Tritanomaly

61.6187, 56.2928, 77.4300

Monochromacy



Original Color

66.6844, 56.5205, 102.0026



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

59.8513, 58.3012, 77.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6844, 56.5205, 102.0026 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(229, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 180, 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(229, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6844, 56.5205, 102.0026 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(229, 180, 255) }
```


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

```
.border{ border-color:rgb(229, 180, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 180, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6844, 56.5205, 102.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 180, 255) }
```

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

```
.background{ background-color: rgb(229,  
180, 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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