

Converting Colors

XYZ(82.4695, 63.0684,
180.4463)

Have a look what the booklet for
XYZ(82.4695, 63.0684, 180.4463)
contains.

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Color

**XYZ(67.6500, 57.0183,
102.0478)**

Conversions

Conversions Part 1

Format	Color
Hex	E8B4FF
RGB	232, 180, 255
RGB Percent	91%, 71%, 100%
CMY	0.0902, 0.2941, 0.0000
CMYK	0.09, 0.29, 0.00, 0.00
HSL	282°, 100%, 85%
HSV	282°, 29%, 100%
XYZ	67.6500, 57.0183, 102.0478
YIQ	204.0980, 6.9170, 34.3490

Conversions

Conversions Part 2

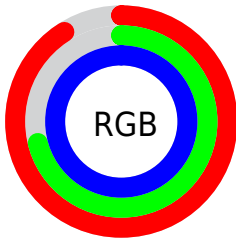
Format	Color
R_{YB}	232, 180, 255
Decimal	15250687
CIE _{Lab}	80.19, 31.81, -29.88
CIE _{LCh}	80, 43.643, 316.794
Yxy	57.0183, 0.2984, 0.2515
Android (android.graphics.Color)	4293440767 (0xFFE8B4FF)
YUV	204.0980, 25.0947, 24.4701
Hunter-Lab	75.5105, 27.7753, -27.2695

Details

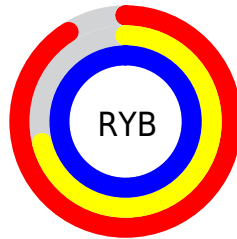
The XYZ color **67.6500, 57.0183, 102.0478** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.6280, 87.5124, 56.4571**, and the grayscale version is **57.3013, 60.2854, 65.6508**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **35.6869, 28.4861, 57.0435** is the 20% darker color. If you saturate the color by 10%, you get **60.4862, 46.3747, 100.3710**, and if you desaturate by 10%, it is **75.8771, 69.6187, 104.0463**.

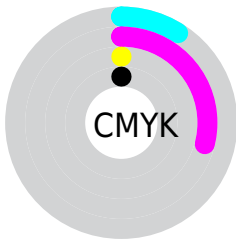
Distribution



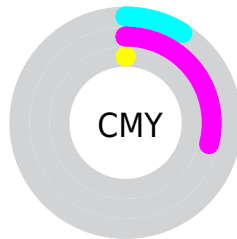
- Red (91%)
- Green (71%)
- Blue (100%)



- Red (91%)
- Yellow (71%)
- Blue (100%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6500, 57.0183, 102.0478 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 67.6500, 57.0183, 102.0478 by changing the saturation by 10% instead.

67.6500, 57.0183,
102.0478

67.6500, 57.0183,
102.0478

441.6511,
413.5179, 588.0410

49.8857, 41.0199,
77.3855

114.8960,
100.4919, 166.0449

35.5400, 28.3347,
57.0558

145.1083,
128.7359, 206.2166

24.2476, 18.5781,
40.6404

180.2007,
161.8306, 252.3953

15.6431, 11.3658,
27.7206

220.5386,
200.1603, 304.9994

9.3612, 6.3134,
17.8780

266.4872,
244.1095, 364.4475

5.0365, 3.0366,
10.6939

318.4119,

2.3037, 1.1509,

294.0626, 431.1581

5.7498

376.6781,
350.4039, 505.5498

■ 0.7965, 0.0210,
2.6272

■ 0.0000, 0.0000,
0.9065

■ 67.6500, 57.0183,
102.0478

■ 67.6500, 57.0183,
102.0478

■ 60.4862, 46.3747,
100.3710

■ 75.8771, 69.6187,
104.0463

■ 54.3271, 37.5760,
98.9973

■ 85.2118, 84.2656,
106.3815

■ 49.1160, 30.5100,
97.9081

95.0500, 100.0000,
108.9000

■ 44.7878, 25.0487,
97.0820

■ 41.2684, 21.0461,
96.4950

■ 38.4699, 18.3288,
96.1180

■ 36.2580, 16.6308,
95.9068

■ 36.1366, 16.5440,
95.8964

Harmonies

Analogous

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



59.2907, 57.0183, 121.8204



67.6500, 57.0183, 102.0478



72.6213, 57.0183, 73.9675

Triad

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



67.6500, 57.0183, 102.0478



58.1988, 57.0183, 25.5473



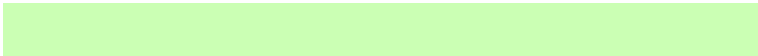
39.4057, 57.0183, 77.3483

Complementary

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



67.6500, 57.0183, 102.0478



68.6280, 87.5124, 56.4571

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.



39.1819, 57.0183, 51.5454



67.6500, 57.0183, 102.0478



49.3984, 57.0183, 25.9891

Square

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



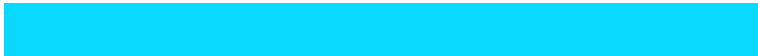
67.6500, 57.0183, 102.0478



66.7756, 57.0183, 32.7724



42.6526, 57.0183, 34.2099



43.3015, 57.0183, 105.0993

Rectangle

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



67.6500, 57.0183, 102.0478



73.0262, 57.0183, 56.4640



42.6526, 57.0183, 34.2099



38.9147, 57.0183, 68.0635

Sweetspot

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



67.6517, 57.0207, 102.0482



85.6187, 84.9109, 106.4846



58.4078, 59.9924, 103.1090



18.0186, 17.6876, 22.7143



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.



67.6517, 57.0207, 102.0482



63.5188, 50.8353, 101.0721



73.4769, 60.2703, 91.1764



18.2188, 18.0045, 22.7649



19.0417, 8.7268, 50.1154



1.9657, 0.9073, 4.8848

Inverse Universe

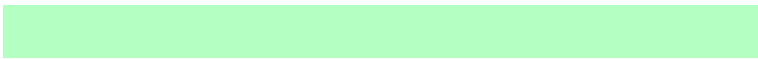
The Inverse Universe completely reimagines the original color for something new.



68.3420, 58.2164, 64.1364



64.4697, 52.2972, 57.2182



64.2935, 85.1079, 63.9330



18.2387, 18.0788, 19.8741



22.3291, 11.4209, 5.1175



2.2204, 1.1305, 0.7422

Previews

White Background



This preview shows how the XYZ color 67.6500, 57.0183, 102.0478 looks on a white background.

Color Contrast Check

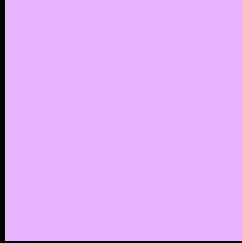
Large Text (above 18pt) WCAG AA × Fail

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 67.6500, 57.0183, 102.0478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

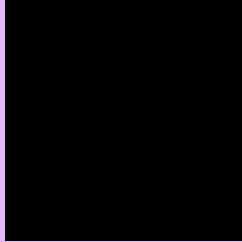
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6500, 57.0183, 102.0478

Background



This preview shows how black text looks on a background with the XYZ color 67.6500, 57.0183, 102.0478.

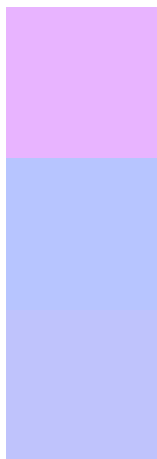


This preview shows how white text looks on a background with the XYZ color 67.6500, 57.0183,

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

67.6500, 57.0183, 102.0478

Protanopia

57.5447, 57.2198, 102.6193

Deuteranopia

58.5717, 57.1349, 100.0365



Tritanopia

60.1734, 57.0820, 65.6041

Trichromacy



Original Color

67.6500, 57.0183, 102.0478



Protanomaly

60.7682, 56.8991, 102.3875



Deuteranomaly

61.5967, 57.0406, 100.6919



Tritanomaly

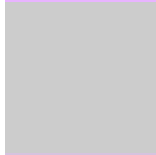
62.5567, 56.7764, 77.4739

Monochromacy



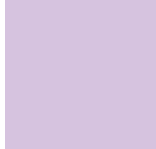
Original Color

67.6500, 57.0183, 102.0478



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

60.5659, 58.6541, 77.9412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6500, 57.0183, 102.0478 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(232, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6500, 57.0183, 102.0478 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(232, 180, 255) }
```


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

```
.border{ border-color:rgb(232, 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(232, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6500, 57.0183, 102.0478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 180, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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