

Converting Colors

XYZ(78.3861, 65.5430,
154.6745)

Have a look what the booklet for
XYZ(78.3861, 65.5430, 154.6745)
contains.

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Color

**XYZ(68.4840, 61.5287,
102.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	E2C1FF
RGB	226, 193, 255
RGB Percent	89%, 76%, 100%
CMY	0.1137, 0.2431, 0.0000
CMYK	0.11, 0.24, 0.00, 0.00
HSL	272°, 100%, 88%
HSV	272°, 24%, 100%
XYZ	68.4840, 61.5287, 102.8745
YIQ	209.9350, -0.2340, 26.2780

Conversions

Conversions Part 2

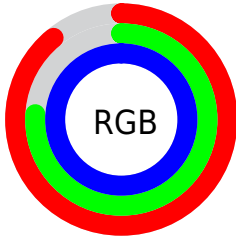
Format	Color
R _Y B	226, 193, 255
Decimal	14860799
CIE Lab	82.66, 22.98, -26.14
CIE LCh	83, 34.809, 311.317
Yxy	61.5287, 0.2941, 0.2642
Android (android.graphics.Color)	4293050879 (0xFFE2C1FF)
YUV	209.9350, 22.2170, 14.0890
Hunter-Lab	78.4402, 18.5730, -22.8508

Details

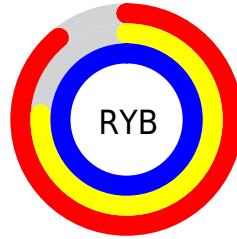
The XYZ color **68.4840, 61.5287, 102.8745** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.5112, 90.9005, 64.0206**, and the grayscale version is **61.0765, 64.2573, 69.9762**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **36.0032, 31.0885, 57.5292** is the 20% darker color. If you saturate the color by 10%, you get **59.7148, 49.3502, 100.9860**, and if you desaturate by 10%, it is **78.4888, 75.7901, 105.0999**.

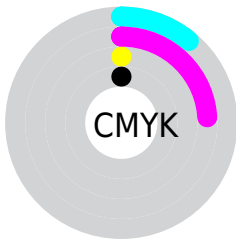
Distribution



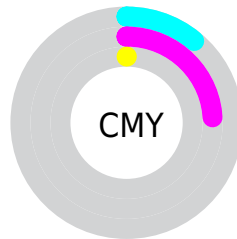
- Red (89%)
- Green (76%)
- Blue (100%)



- Red (89%)
- Yellow (76%)
- Blue (100%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4840, 61.5287, 102.8745 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 68.4840, 61.5287, 102.8745 by changing the saturation by 10% instead.

68.4840, 61.5287,
102.8745

68.4840, 61.5287,
102.8745

444.5588,
430.2099, 590.6950

50.5667, 44.6520,
78.0731

116.0824,
107.0441, 167.1880

36.0835, 31.1834,
57.6172

146.4942,
136.4515, 207.5373

24.6691, 20.7385,
41.0883

181.8015,
170.8047, 253.9062

15.9581, 12.9330,
28.0679

222.3698,
210.4880, 306.7133

9.5852, 7.3824,
18.1374

268.5643,
255.8857, 366.3772

5.1849, 3.7024,
10.8782

320.7504,

2.3921, 1.5085,

307.3823, 433.3165

5.8718

379.2934,
365.3623, 507.9495

■ 0.8412, 0.2947,
2.6998

■ 0.0000, 0.0000,
0.9433

■ 68.4840, 61.5287,
102.8745

■ 68.4840, 61.5287,
102.8745

■ 59.7148, 49.3502,
100.9860

■ 78.4888, 75.7901,
105.0999

■ 52.1207, 39.1446,
99.4163

■ 89.7753, 92.2219,
107.6767

■ 45.6439, 30.8030,
98.1476

95.0500, 100.0000,
108.9000

■ 40.2187, 24.2026,
97.1595

■ 35.7719, 19.2053,
96.4293

■ 32.2188, 15.6509,
95.9306

■ 29.4569, 13.3438,
95.6308

■ 28.1588, 12.4313,
95.5231

Harmonies

Analogous

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



61.3448, 61.5287, 115.9553



68.4840, 61.5287, 102.8745



73.1671, 61.5287, 81.0511

Triad

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



68.4840, 61.5287, 102.8745



63.2030, 61.5287, 35.0984



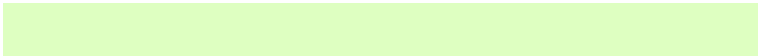
45.4998, 61.5287, 75.3936

Complementary

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



68.4840, 61.5287, 102.8745



75.5112, 90.9005, 64.0206

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.



45.9049, 61.5287, 54.6646



68.4840, 61.5287, 102.8745



55.7081, 61.5287, 34.2171

Square

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



68.4840, 61.5287, 102.8745



69.9436, 61.5287, 43.3441



49.5031, 61.5287, 40.6090



48.3449, 61.5287, 97.9815

Rectangle

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



68.4840, 61.5287, 102.8745



74.0448, 61.5287, 66.0534



49.5031, 61.5287, 40.6090



45.2672, 61.5287, 67.9441

Sweetspot

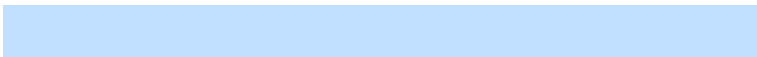
The Sweet Spot groups the original color and five complimentary colors.



68.4858, 61.5312, 102.8749



86.6124, 87.5860, 106.9486



66.4230, 71.3170, 104.8724



18.3894, 18.5290, 22.8572



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.



68.4858, 61.5312, 102.8749



64.2236, 55.5678, 101.9485



78.1951, 66.5557, 102.4632



17.9262, 17.8537, 22.7512



14.8877, 6.5854, 49.9210



1.5757, 0.7062, 4.8665

Inverse Universe

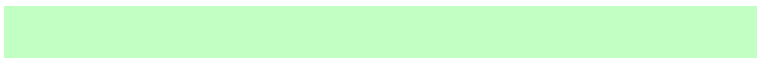
The Inverse Universe completely reimagines the original color for something new.



73.4962, 64.6762, 77.7192



70.1222, 59.2673, 72.4657



67.4955, 86.7549, 64.2494



18.3630, 18.1285, 20.5286



23.3712, 11.8378, 10.6050



2.3302, 1.1744, 1.3201

Previews

White Background



This preview shows how the XYZ color 68.4840, 61.5287, 102.8745 looks on a white background.

Color Contrast Check

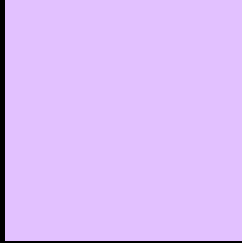
Large Text (above 18pt) WCAG AA × Fail

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 68.4840, 61.5287, 102.8745 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 68.4840, 61.5287, 102.8745

Background



This preview shows how black text looks on a background with the XYZ color 68.4840, 61.5287, 102.8745.

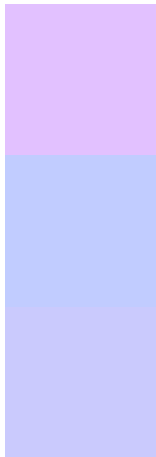


This preview shows how white text looks on a background with the XYZ color 68.4840, 61.5287,

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

68.4840, 61.5287, 102.8745

Protanopia

61.6352, 61.7432, 103.2768

Deuteranopia

63.2073, 61.8895, 101.5430



Tritanopia

62.5641, 61.4821, 73.5355

Trichromacy



Original Color

68.4840, 61.5287, 102.8745

Protanomaly

63.8811, 61.5077, 103.1130

Deuteranomaly

65.1768, 61.8515, 102.2693

Tritanomaly

64.3734, 61.1753, 83.2781

Monochromacy



Original Color

68.4840, 61.5287, 102.8745

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

63.6392, 63.2756, 80.8108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4840, 61.5287, 102.8745 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(226, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 193, 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(226, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4840, 61.5287, 102.8745 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(226, 193, 255) }
```


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

```
.border{ border-color:rgb(226, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4840, 61.5287, 102.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 193, 255) }
```

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

```
.background{ background-color: rgb(226,  
193, 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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