

Converting Colors

XYZ(68.2109, 62.4998,
103.0763)

Have a look what the booklet for
XYZ(68.2109, 62.4998, 103.0763)
contains.

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Color

**XYZ(68.2214, 62.3878,
103.0541)**

Conversions

Conversions Part 1

Format	Color
Hex	DFC4FF
RGB	223, 196, 255
RGB Percent	87%, 77%, 100%
CMY	0.1255, 0.2314, 0.0000
CMYK	0.13, 0.23, 0.00, 0.00
HSL	267°, 100%, 88%
HSV	267°, 23%, 100%
XYZ	68.2214, 62.3878, 103.0541
YIQ	210.7990, -2.8470, 24.0730

Conversions

Conversions Part 2

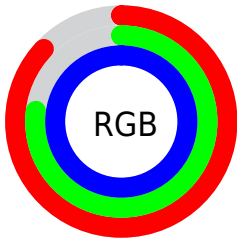
Format	Color
R _Y B	223, 196, 255
Decimal	14664959
CIE Lab	83.12, 20.44, -25.47
CIE LCh	83, 32.657, 308.745
Yxy	62.3878, 0.2920, 0.2670
Android (android.graphics.Color)	4292855039 (0xFFDFC4FF)
YUV	210.7990, 21.7911, 10.7003
Hunter-Lab	78.9859, 15.9478, -22.0664

Details

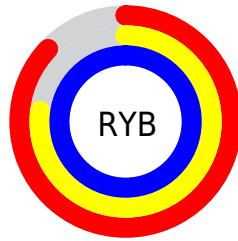
The XYZ color **68.2214, 62.3878, 103.0541** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.7199, 92.0001, 65.8888**, and the grayscale version is **61.6480, 64.8585, 70.6309**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **35.8024, 31.6387, 57.6460** is the 20% darker color. If you saturate the color by 10%, you get **58.8627, 49.7395, 101.1060**, and if you desaturate by 10%, it is **78.9092, 77.1756, 105.3452**.

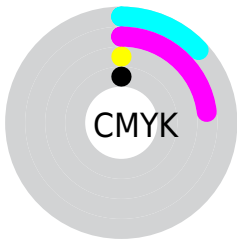
Distribution



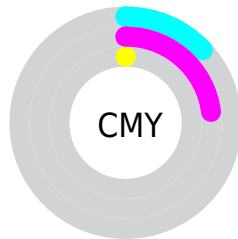
- Red (87%)
- Green (77%)
- Blue (100%)



- Red (87%)
- Yellow (77%)
- Blue (100%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2214, 62.3878, 103.0541 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 68.2214, 62.3878, 103.0541 by changing the saturation by 10% instead.

68.2214, 62.3878,
103.0541

68.2214, 62.3878,
103.0541

443.6445,
433.3443, 591.2707

50.3522, 45.3461,
78.2225

115.7090,
108.2858, 167.4363

35.9123, 31.7301,
57.7393

146.0581,
137.9109, 207.8240

24.5362, 21.1555,
41.1858

181.2979,
172.4993, 254.2341

15.8588, 13.2377,
28.1435

221.7937,
212.4354, 307.0853

9.5145, 7.5924,
18.1939

267.9109,
258.1035, 366.7960

5.1380, 3.8353,
10.9184

320.0149,

2.3641, 1.5818,

309.8881, 433.7848

5.8985

378.4710,
368.1736, 508.4702

■ 0.8271, 0.3453,
2.7157

■ 0.0000, 0.0000,
0.9513

■ 68.2214, 62.3878,
103.0541

■ 68.2214, 62.3878,
103.0541

■ 58.8627, 49.7395,
101.1060

■ 78.9092, 77.1756,
105.3452

■ 50.7702, 39.1199,
99.4828

■ 90.9747, 94.1912,
107.9936

■ 43.8832, 30.4198,
98.1664

95.0500, 100.0000,
108.9000

■ 38.1337, 23.5161,
97.1369

■ 33.4457, 18.2709,
96.3716

■ 29.7326, 14.5253,
95.8443

■ 26.8905, 12.0867,
95.5234

■ 25.3452, 10.9808,
95.3914

Harmonies

Analogous

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



61.3891, 62.3878, 114.1466



68.2214, 62.3878, 103.0541



72.8945, 62.3878, 83.0477

Triad

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



68.2214, 62.3878, 103.0541



64.3650, 62.3878, 37.7163



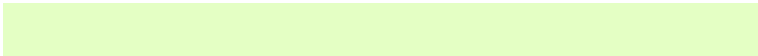
46.8480, 62.3878, 74.0240

Complementary

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



68.2214, 62.3878, 103.0541



77.7199, 92.0001, 65.8888

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.



47.5065, 62.3878, 54.7676



68.2214, 62.3878, 103.0541



57.2544, 62.3878, 36.2519

Square

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



68.2214, 62.3878, 103.0541



70.5478, 62.3878, 46.3561



51.1883, 62.3878, 41.8588



49.3121, 62.3878, 95.3329

Rectangle

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



68.2214, 62.3878, 103.0541



73.9573, 62.3878, 68.7863



51.1883, 62.3878, 41.8588



46.7158, 62.3878, 67.0802

Sweetspot

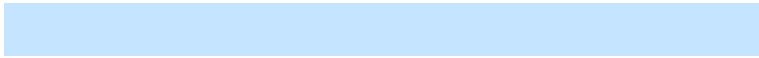
The Sweet Spot groups the original color and five complimentary colors.



68.2232, 62.3903, 103.0545



86.1451, 87.3451, 106.9267



68.6841, 74.6923, 105.4048



18.2812, 18.4732, 22.8521



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.



68.2232, 62.3903, 103.0545



63.5076, 55.9758, 102.0649



77.9541, 67.4068, 103.5099



17.7928, 17.7849, 22.7450



13.4109, 5.8240, 49.8519



1.4299, 0.6311, 4.8597

Inverse Universe

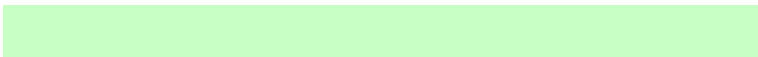
The Inverse Universe completely reimagines the original color for something new.



74.9849, 66.3435, 82.2537



71.5260, 60.6664, 77.2760



69.2654, 87.6416, 65.4932



18.4215, 18.1519, 20.8365



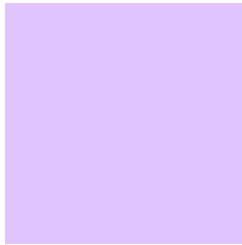
24.0337, 12.1028, 14.0939



2.3952, 1.2005, 1.6628

Previews

White Background



This preview shows how the XYZ color 68.2214, 62.3878, 103.0541 looks on a white background.

Color Contrast Check

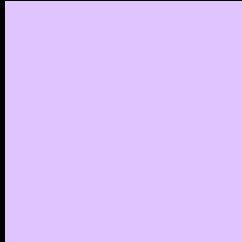
Large Text (above 18pt) WCAG AA × Fail

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 68.2214, 62.3878, 103.0541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

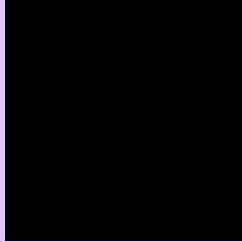
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2214, 62.3878, 103.0541

Background



This preview shows how black text looks on a background with the XYZ color 68.2214, 62.3878, 103.0541.

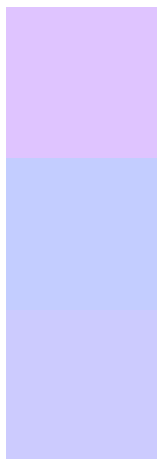


This preview shows how white text looks on a background with the XYZ color 68.2214, 62.3878,

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

68.2214, 62.3878, 103.0541

Protanopia

62.3870, 62.4847, 103.3804

Deuteranopia

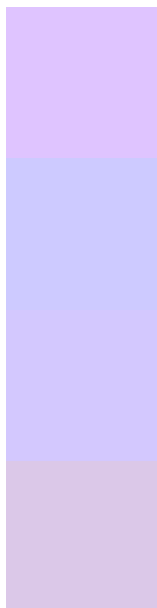
64.1472, 62.7050, 102.4883



Tritanopia

62.7574, 62.5781, 75.7889

Trichromacy



Original Color

68.2214, 62.3878, 103.0541

Protanomaly

64.3474, 62.4402, 103.2684

Deuteranomaly

65.4076, 62.3132, 102.3462

Tritanomaly

64.4332, 62.1948, 84.9527

Monochromacy



Original Color

68.2214, 62.3878, 103.0541

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.9608, 64.1357, 81.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2214, 62.3878, 103.0541 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(223, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 196, 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(223, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2214, 62.3878, 103.0541 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(223, 196, 255) }
```


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

```
.border{ border-color:rgb(223, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2214, 62.3878, 103.0541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 196, 255) }
```

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

```
.background{ background-color: rgb(223,  
196, 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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