

Converting Colors

XYZ(69.9249, 65.6201,
108.1885)

Have a look what the booklet for
XYZ(69.9249, 65.6201, 108.1885)
contains.

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Color

**XYZ(68.9211, 65.1475,
103.5499)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DCCBFF |
| RGB | 220, 203, 255 |
| RGB Percent | 86%, 80%, 100% |
| CMY | 0.1372, 0.2039, 0.0000 |
| CMYK | 0.14, 0.20, 0.00, 0.00 |
| HSL | 260°, 100%, 90% |
| HSV | 260°, 20%, 100% |
| XYZ | 68.9211, 65.1475, 103.5499 |
| YIQ | 214.0110, -6.5600, 19.7760 |

Conversions

Conversions Part 2

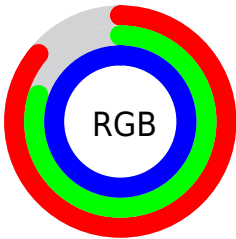
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 220, 203, 255 |
| Decimal | 14470143 |
| CIE Lab | 84.56, 15.75, -23.30 |
| CIE LCh | 85, 28.127, 304.064 |
| Yxy | 65.1475, 0.2900, 0.2742 |
| Android (android.graphics.Color) | 4292660223 (0xFFDCCBFF) |
| YUV | 214.0110, 20.2076, 5.2524 |
| Hunter-Lab | 80.7140, 11.1704, -19.5647 |

Details

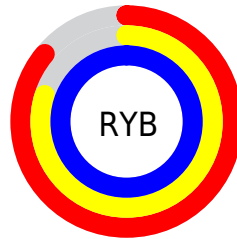
The XYZ color **68.9211, 65.1475, 103.5499** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.8008, 94.0096, 70.3372**, and the grayscale version is **63.7971, 67.1195, 73.0931**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4575, 33.5714, 57.9845** is the 20% darker color. If you saturate the color by 10%, you get **58.4566, 51.5379, 101.4746**, and if you desaturate by 10%, it is **80.9131, 81.0181, 105.9812**.

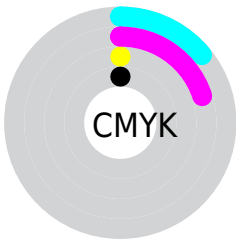
Distribution



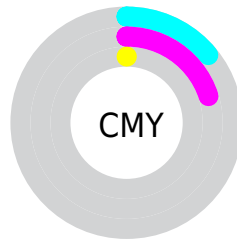
- Red (86%)
- Green (80%)
- Blue (100%)



- Red (86%)
- Yellow (80%)
- Blue (100%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9211, 65.1475, 103.5499 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 68.9211, 65.1475, 103.5499 by changing the saturation by 10% instead.

68.9211, 65.1475,
103.5499

68.9211, 65.1475,
103.5499

446.0784,
443.3218, 592.8586

50.9239, 47.5807,
78.6352

116.7036,
112.2619, 168.1213

36.3688, 33.4949,
58.0763

147.2195,
142.5783, 208.6151

24.8906, 22.5059,
41.4549

182.6390,
177.9133, 255.1390

16.1239, 14.2291,
28.3523

223.3276,
218.6513, 308.1115

9.7032, 8.2802,
18.3501

269.6504,
265.1768, 367.9512

5.2634, 4.2747,
11.0296

321.9729,

2.4390, 1.8284,

317.8741, 435.0765

5.9723

380.6604,
377.1277, 509.9062

■ 0.8646, 0.5048,
2.7597

■ 0.0000, 0.0000,
0.9733

■ 68.9211, 65.1475,
103.5499

■ 68.9211, 65.1475,
103.5499

■ 58.4566, 51.5379,
101.4746

■ 80.9131, 81.0181,
105.9812

■ 49.4497, 40.0764,
99.7370

94.4873, 99.2398,
108.7829

■ 41.8329, 30.6521,
98.3194

95.0500, 100.0000,
108.9000

■ 35.5310, 23.1408,
97.2017

■ 30.4611, 17.4043,
96.3616

■ 26.5294, 13.2848,
95.7737

■ 23.6266, 10.5953,
95.4076

■ 21.6492, 9.0754,
95.2184

Harmonies

Analogous

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



62.7790, 65.1475, 111.2443



68.9211, 65.1475, 103.5499



73.4061, 65.1475, 87.1306

Triad

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



68.9211, 65.1475, 103.5499



67.3441, 65.1475, 44.1974



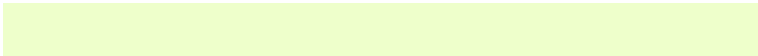
50.6580, 65.1475, 73.4095

Complementary

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



68.9211, 65.1475, 103.5499



81.8008, 94.0096, 70.3372

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.



51.7006, 65.1475, 56.8812



68.9211, 65.1475, 103.5499



61.0704, 65.1475, 41.7701

Square

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



68.9211, 65.1475, 103.5499



72.4533, 65.1475, 53.3013



55.4112, 65.1475, 46.0064



52.4618, 65.1475, 92.0820

Rectangle

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



68.9211, 65.1475, 103.5499



74.7012, 65.1475, 74.5651



55.4112, 65.1475, 46.0064



50.6881, 65.1475, 67.4238

Sweetspot

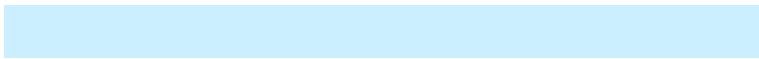
The Sweet Spot groups the original color and five complimentary colors.



68.9229, 65.1501, 103.5503



86.6740, 88.7225, 107.1647



73.4104, 81.3782, 106.4462



18.3642, 18.7387, 22.8990



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.



68.9229, 65.1501, 103.5503



64.9724, 59.9817, 102.7609



77.2266, 69.4308, 103.9389



17.5622, 17.6660, 22.7342



11.4509, 4.8136, 49.7602



1.2242, 0.5250, 4.8501

Inverse Universe

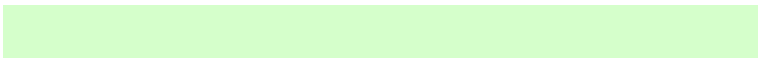
The Inverse Universe completely reimagines the original color for something new.



78.0301, 70.1473, 90.3180



75.4818, 65.7524, 87.3055



73.8466, 89.9091, 69.9650



18.5253, 18.1934, 21.3833



25.4933, 12.6866, 21.7799



2.5325, 1.2554, 2.3857

Previews

White Background



This preview shows how the XYZ color 68.9211, 65.1475, 103.5499 looks on a white background.

Color Contrast Check

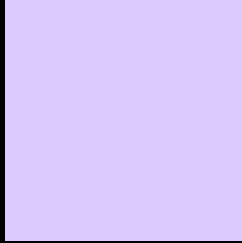
Large Text (above 18pt) WCAG AA × Fail

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 68.9211, 65.1475, 103.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

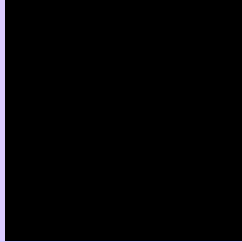
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9211, 65.1475, 103.5499

Background



This preview shows how black text looks on a background with the XYZ color 68.9211, 65.1475, 103.5499.

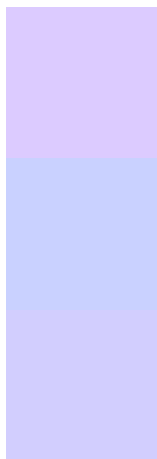


This preview shows how white text looks on a background with the XYZ color 68.9211, 65.1475,

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

68.9211, 65.1475, 103.5499

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

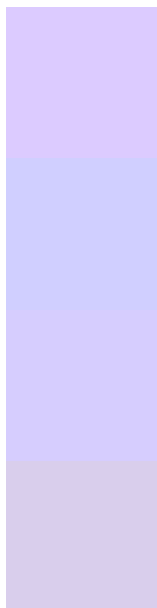
66.5390, 65.0000, 102.8052



Tritanopia

64.1708, 64.9951, 80.3973

Trichromacy



Original Color

68.9211, 65.1475, 103.5499

Protanomaly

66.3752, 65.2555, 103.7050

Deuteranomaly

67.4523, 65.1145, 102.7792

Tritanomaly

65.8269, 64.9505, 88.4241

Monochromacy



Original Color

68.9211, 65.1475, 103.5499

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.5084, 66.3493, 83.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9211, 65.1475, 103.5499 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(220, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 203, 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(220, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.9211, 65.1475, 103.5499 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(220, 203, 255) }
```


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

```
.border{ border-color:rgb(220, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9211, 65.1475, 103.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 203, 255) }
```

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

```
.background{ background-color: rgb(220,  
203, 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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