

Converting Colors

XYZ(68.4562, 65.8993,
103.7196)

Have a look what the booklet for
XYZ(68.4562, 65.8993, 103.7196)
contains.

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Color

**XYZ(68.4402, 65.9615,
103.7324)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D8CEFF |
| RGB | 216, 206, 255 |
| RGB Percent | 85%, 81%, 100% |
| CMY | 0.1529, 0.1921, 0.0000 |
| CMYK | 0.15, 0.19, 0.00, 0.00 |
| HSL | 252°, 100%, 90% |
| HSV | 252°, 19%, 100% |
| XYZ | 68.4402, 65.9615, 103.7324 |
| YIQ | 214.5760, -9.7690, 17.3590 |

Conversions

Conversions Part 2

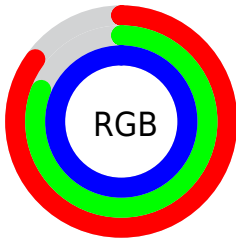
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 216, 206, 255 |
| Decimal | 14208767 |
| CIE _{Lab} | 84.98, 12.91, -22.70 |
| CIE _{LCh} | 85, 26.112, 299.630 |
| Y _{xy} | 65.9615, 0.2874, 0.2770 |
| Android (android.graphics.Color) | 4292398847 (0xFFD8CEFF) |
| YUV | 214.5760, 19.9290, 1.2488 |
| Hunter-Lab | 81.2167, 8.2903, -18.8753 |

Details

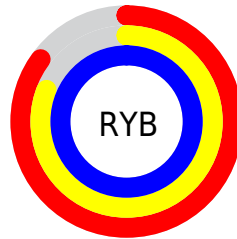
The XYZ color **68.4402, 65.9615, 103.7324** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5581, 95.3893, 72.3508**, and the grayscale version is **64.1807, 67.5231, 73.5327**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1192, 34.1108, 58.1064** is the 20% darker color. If you saturate the color by 10%, you get **57.1619, 51.7630, 101.5862**, and if you desaturate by 10%, it is **81.4588, 82.5388, 106.2460**.

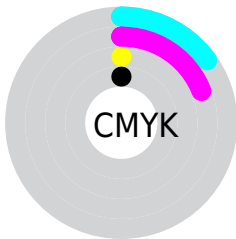
Distribution



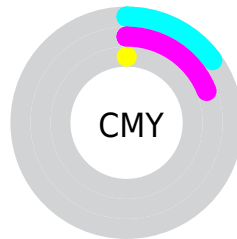
- Red (85%)
- Green (81%)
- Blue (100%)



- Red (85%)
- Yellow (81%)
- Blue (100%)



- Cyan (15%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4402, 65.9615, 103.7324 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 68.4402, 65.9615, 103.7324 by changing the saturation by 10% instead.

68.4402, 65.9615,
103.7324

68.4402, 65.9615,
103.7324

444.4064,
446.2392, 593.4425

50.5309, 48.2411,
78.7871

116.0201,
113.4311, 168.3734

36.0550, 34.0179,
58.2005

146.4215,
143.9491, 208.9062

24.6470, 22.9073,
41.5541

181.7175,
179.5018, 255.4719

15.9415, 14.5251,
28.4293

222.2737,
220.4735, 308.4890

9.5734, 8.4868,
18.4077

268.4553,
267.2488, 368.3760

5.1771, 4.4080,
11.0706

320.6277,

2.3874, 1.9043,

320.2118, 435.5516

5.9996

379.1563,
379.7472, 510.4343

■ 0.8388, 0.5510,
2.7760

■ 0.0000, 0.0000,
0.9814

■ 68.4402, 65.9615,
103.7324

■ 68.4402, 65.9615,
103.7324

■ 57.1619, 51.7630,
101.5862

■ 81.4588, 82.5388,
106.2460

■ 47.5434, 39.8256,
99.7891

95.0500, 100.0000,
108.9000

■ 39.5061, 30.0335,
98.3226

■ 32.9629, 22.2572,
97.1665

■ 27.8176, 16.3531,
96.2981

■ 23.9623, 12.1581,
95.6915

■ 21.2720, 9.4801,
95.3164

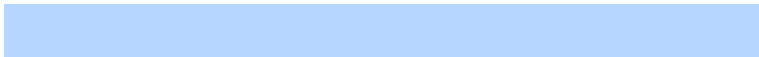
■ 19.5733, 8.0376,
95.1275

■ 19.4680, 7.9510,
95.1164

Harmonies

Analogous

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



62.6216, 65.9615, 109.2251



68.4402, 65.9615, 103.7324



72.9425, 65.9615, 89.4295

Triad

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



68.4402, 65.9615, 103.7324



68.5741, 65.9615, 47.3917



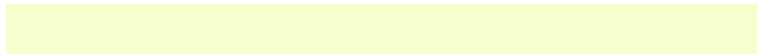
52.0743, 65.9615, 71.6123

Complementary

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



68.4402, 65.9615, 103.7324



84.5581, 95.3893, 72.3508

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.



53.4542, 65.9615, 56.6901



68.4402, 65.9615, 103.7324



62.7673, 65.9615, 44.1099

Square

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



68.4402, 65.9615, 103.7324



73.0231, 65.9615, 56.9994



57.2796, 65.9615, 47.2337



53.3887, 65.9615, 89.0117

Rectangle

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



68.4402, 65.9615, 103.7324



74.4618, 65.9615, 77.7964



57.2796, 65.9615, 47.2337



52.2371, 65.9615, 66.1595

Sweetspot

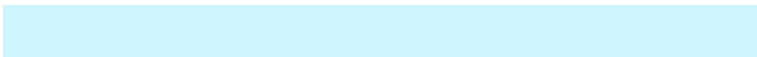
The Sweet Spot groups the original color and five complimentary colors.



68.4421, 65.9641, 103.7328



86.0226, 88.3867, 107.1342



76.2181, 85.7689, 107.1457



18.2106, 18.6595, 22.8918



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.



68.4421, 65.9641, 103.7328



63.9709, 60.3140, 102.8779



76.1600, 69.9429, 104.0940



17.3492, 17.5562, 22.7242



10.2692, 4.2044, 49.7049



1.0844, 0.4530, 4.8435

Inverse Universe

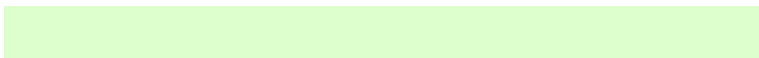
The Inverse Universe completely reimagines the original color for something new.



79.7942, 71.9975, 96.0792



77.2415, 67.3709, 93.7522



76.6296, 91.3021, 71.9797



18.6245, 18.2331, 21.9057



27.2347, 13.3832, 30.9498



2.6900, 1.3184, 3.2148

Previews

White Background



This preview shows how the XYZ color 68.4402, 65.9615, 103.7324 looks on a white background.

Color Contrast Check

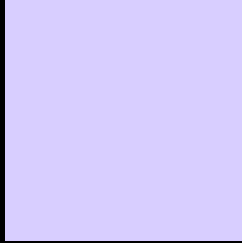
Large Text (above 18pt) WCAG AA × Fail

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 68.4402, 65.9615, 103.7324 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 68.4402, 65.9615, 103.7324

Background



This preview shows how black text looks on a background with the XYZ color 68.4402, 65.9615, 103.7324.

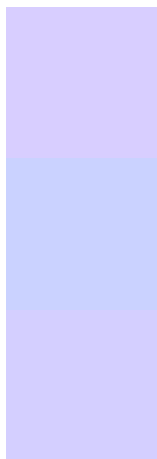


This preview shows how white text looks on a background with the XYZ color 68.4402, 65.9615,

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

68.4402, 65.9615, 103.7324

Protanopia

65.4537, 65.8697, 103.8721

Deuteranopia

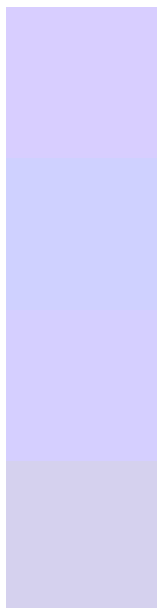
67.5142, 65.8427, 103.7583



Tritanopia

64.1618, 66.0389, 82.7639

Trichromacy



Original Color

68.4402, 65.9615, 103.7324

Protanomaly

66.5826, 66.0863, 103.8544

Deuteranomaly

67.8034, 65.9918, 103.7718

Tritanomaly

65.6737, 65.9201, 90.1514

Monochromacy



Original Color

68.4402, 65.9615, 103.7324

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.8507, 67.2472, 84.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4402, 65.9615, 103.7324 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(216, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 206, 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(216, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4402, 65.9615, 103.7324 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(216, 206, 255) }
```


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

```
.border{ border-color:rgb(216, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4402, 65.9615, 103.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 206, 255) }
```

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

```
.background{ background-color: rgb(216,  
206, 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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