

Converting Colors

XYZ(68.0655, 65.2850,
103.1079)

Have a look what the booklet for
XYZ(68.0655, 65.2850, 103.1079)
contains.

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Color

**XYZ(68.0396, 65.4173,
102.8067)**

Conversions

Conversions Part 1

Format	Color
Hex	D8CDFE
RGB	216, 205, 254
RGB Percent	85%, 80%, 100%
CMY	0.1529, 0.1961, 0.0039
CMYK	0.15, 0.19, 0.00, 0.00
HSL	253°, 96%, 90%
HSV	253°, 19%, 100%
XYZ	68.0396, 65.4173, 102.8067
YIQ	213.8750, -9.1730, 17.5710

Conversions

Conversions Part 2

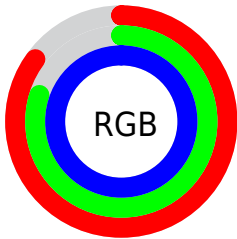
Format	Color
R _Y B	216, 205, 254
Decimal	14208510
CIE Lab	84.70, 13.23, -22.59
CIE LCh	85, 26.181, 300.362
Yxy	65.4173, 0.2880, 0.2769
Android (android.graphics.Color)	4292398590 (0xFFD8CDFE)
YUV	213.8750, 19.7816, 1.8636
Hunter-Lab	80.8810, 8.6181, -18.7460

Details

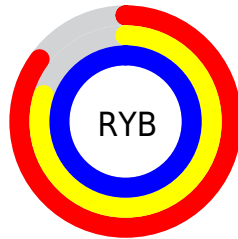
The XYZ color **68.0396, 65.4173, 102.8067** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4256, 94.3478, 71.5745**, and the grayscale version is **63.7098, 67.0277, 72.9931**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8426, 33.7415, 57.4470** is the 20% darker color. If you saturate the color by 10%, you get **56.9751, 51.4154, 100.6883**, and if you desaturate by 10%, it is **80.7921, 81.7568, 105.2895**.

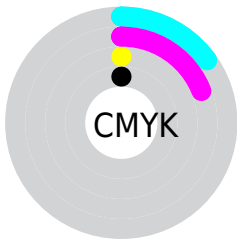
Distribution



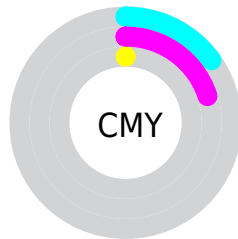
- Red (85%)
- Green (80%)
- Blue (100%)



- Red (85%)
- Yellow (80%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0396, 65.4173, 102.8067 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 68.0396, 65.4173, 102.8067 by changing the saturation by 10% instead.

68.0396, 65.4173,
102.8067

68.0396, 65.4173,
102.8067

443.0108,
444.2900, 590.4776

50.2037, 47.7995,
78.0167

115.4504,
112.6496, 167.0943

35.7938, 33.6682,
57.5712

145.7560,
143.0329, 207.4290

24.4443, 22.6388,
41.0516

180.9490,
178.4402, 253.7824

15.7901, 14.3270,
28.0394

221.3946,
219.2559, 306.5729

9.4656, 8.3485,
18.1160

267.4582,
265.8643, 366.2191

5.1057, 4.3187,
10.8630

319.5053,

2.3448, 1.8534,

318.6499, 433.1396

5.8618

377.9010,
377.9970, 507.7529

■ 0.8174, 0.5201,
2.6938

■ 0.0000, 0.0000,
0.9403

■ 68.0396, 65.4173,
102.8067

■ 68.0396, 65.4173,
102.8067

■ 56.9751, 51.4154,
100.6883

■ 80.7921, 81.7568,
105.2895

■ 47.5205, 39.6353,
98.9128

94.8896, 99.9358,
108.0553

■ 39.6004, 29.9635,
97.4634

■ 33.1306, 22.2728,
96.3199

■ 28.0189, 16.4224,
95.4601

■ 24.1612, 12.2522,
94.8585

■ 21.4372, 9.5735,
94.4850

■ 19.6781, 8.1069,
94.2947

■ 19.5777, 8.0261,
94.2843

Harmonies

Analogous

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



62.2484, 65.4173, 108.5543



68.0396, 65.4173, 102.8067



72.4783, 65.4173, 88.3810

Triad

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



68.0396, 65.4173, 102.8067



67.9088, 65.4173, 46.7313



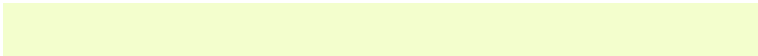
51.5910, 65.4173, 71.4323

Complementary

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



68.0396, 65.4173, 102.8067



83.4256, 94.3478, 71.5745

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.



52.9015, 65.4173, 56.4522



68.0396, 65.4173, 102.8067



62.1060, 65.4173, 43.6204

Square

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



68.0396, 65.4173, 102.8067



72.3995, 65.4173, 56.1504



56.6616, 65.4173, 46.8854



52.9654, 65.4173, 88.7893

Rectangle

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



68.0396, 65.4173, 102.8067



73.9426, 65.4173, 76.7603



56.6616, 65.4173, 46.8854



51.7311, 65.4173, 65.9687

Sweetspot

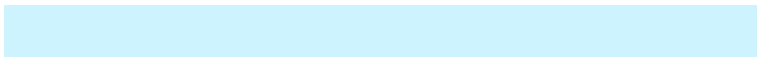
The Sweet Spot groups the original color and five complimentary colors.



68.0416, 65.4200, 102.8082



86.1303, 88.4423, 107.1392



75.2338, 84.4677, 106.1057



18.2360, 18.6726, 22.8930



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.



68.0416, 65.4200, 102.8082



64.3093, 60.4884, 102.8937



75.6976, 69.3668, 103.1665



17.3843, 17.5743, 22.7259



10.4247, 4.2846, 49.7122



1.1042, 0.4632, 4.8445

Inverse Universe

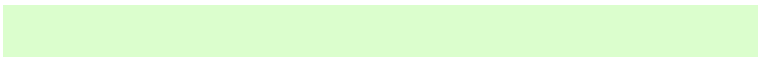
The Inverse Universe completely reimagines the original color for something new.



78.8842, 71.2072, 94.3836



77.0613, 67.2989, 92.8033



75.6417, 90.3350, 71.2102



18.6079, 18.2265, 21.8184



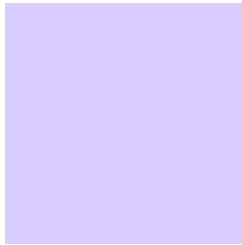
26.9196, 13.2571, 29.2910



2.6619, 1.3071, 3.0667

Previews

White Background



This preview shows how the XYZ color 68.0396, 65.4173, 102.8067 looks on a white background.

Color Contrast Check

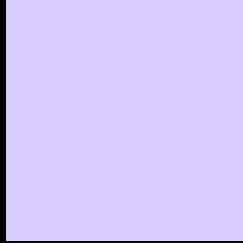
Large Text (above 18pt) WCAG AA × Fail

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 68.0396, 65.4173, 102.8067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

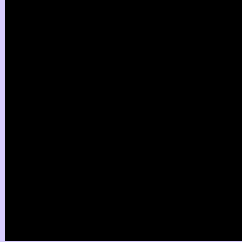
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0396, 65.4173, 102.8067

Background



This preview shows how black text looks on a background with the XYZ color 68.0396, 65.4173, 102.8067.

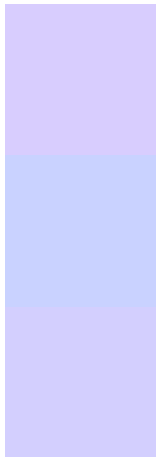


This preview shows how white text looks on a background with the XYZ color 68.0396, 65.4173,

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

68.0396, 65.4173, 102.8067

Protanopia

65.1840, 65.7307, 103.8595

Deuteranopia

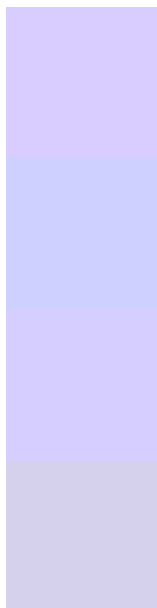
67.0662, 65.6303, 102.8991



Tritanopia

63.6380, 65.4331, 81.2273

Trichromacy



Original Color

68.0396, 65.4173, 102.8067

Protanomaly

66.0595, 65.4536, 103.7598

Deuteranomaly

67.4013, 65.4445, 102.8456

Tritanomaly

65.1368, 65.3140, 88.5307

Monochromacy



Original Color

68.0396, 65.4173, 102.8067

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.4615, 66.6927, 83.5515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0396, 65.4173, 102.8067 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, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 205, 254)  
}
```

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, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 205, 254) }
```

Border

The CSS property to change the border of an element to XYZ 68.0396, 65.4173, 102.8067 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, 205, 254) }
```


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

```
.border{ border-color:rgb(216, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(216, 205,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0396, 65.4173, 102.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 205, 254) }
```

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

```
.background{ background-color: rgb(216,  
205, 254) }
```

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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