

Converting Colors

XYZ(68.3444, 66.0070,
103.9940)

Have a look what the booklet for
XYZ(68.3444, 66.0070, 103.9940)
contains.

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Color

**XYZ(68.1456, 65.8097,
103.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	D7CEFF
RGB	215, 206, 255
RGB Percent	84%, 81%, 100%
CMY	0.1569, 0.1921, 0.0000
CMYK	0.16, 0.19, 0.00, 0.00
HSL	251°, 100%, 90%
HSV	251°, 19%, 100%
XYZ	68.1456, 65.8097, 103.7186
YIQ	214.2770, -10.3650, 17.1470

Conversions

Conversions Part 2

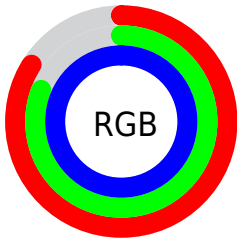
Format	Color
R _Y B	215, 206, 255
Decimal	14143231
CIE _{Lab}	84.90, 12.60, -22.82
CIE _{LCh}	85, 26.069, 298.902
Y _{xy}	65.8097, 0.2867, 0.2769
Android (android.graphics.Color)	4292333311 (0xFFD7CEFF)
Y _{UV}	214.2770, 20.0764, 0.6341
Hunter-Lab	81.1232, 7.9791, -19.0180

Details

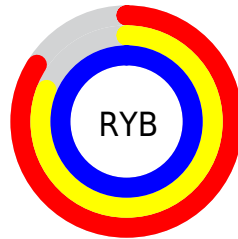
The XYZ color **68.1456, 65.8097, 103.7186** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9081, 95.5698, 72.3672**, and the grayscale version is **63.9786, 67.3105, 73.3012**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9185, 34.0073, 58.0970** is the 20% darker color. If you saturate the color by 10%, you get **56.7690, 51.5606, 101.5679**, and if you desaturate by 10%, it is **81.2996, 82.4568, 106.2385**.

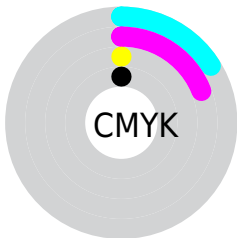
Distribution



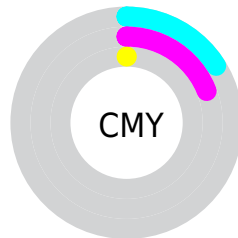
- Red (84%)
- Green (81%)
- Blue (100%)



- Red (84%)
- Yellow (81%)
- Blue (100%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1456, 65.8097, 103.7186 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 68.1456, 65.8097, 103.7186 by changing the saturation by 10% instead.

68.1456, 65.8097,
103.7186

68.1456, 65.8097,
103.7186

443.3804,
445.6960, 593.3984

50.2903, 48.1179,
78.7756

115.6012,
113.2132, 168.3544

35.8629, 33.9203,
58.1911

145.9322,
143.6936, 208.8842

24.4979, 22.8324,
41.5466

181.1524,
179.2058, 255.4467

15.8301, 14.4698,
28.4235

221.6273,
220.1341, 308.4604

9.4941, 8.4481,
18.4033

267.7222,
266.8629, 368.3439

5.1245, 4.3830,
11.0675

319.8024,

2.3560, 1.8900,

319.7765, 435.5157

5.9975

378.2334,
379.2594, 510.3944

■ 0.8231, 0.5424,
2.7748

■ 0.0000, 0.0000,
0.9808

■ 68.1456, 65.8097,
103.7186

■ 68.1456, 65.8097,
103.7186

■ 56.7690, 51.5606,
101.5679

■ 81.2996, 82.4568,
106.2385

■ 47.0872, 39.5905,
99.7677

95.0500, 100.0000,
108.9000

■ 39.0191, 29.7825,
98.2998

■ 32.4749, 22.0057,
97.1436

■ 27.3554, 16.1149,
96.2764

■ 23.5494, 11.9453,
95.6722

■ 20.9279, 9.3028,
95.3003

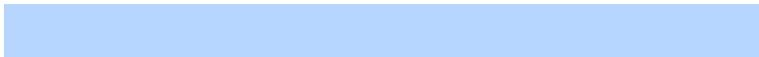
■ 19.3127, 7.9033,
95.1153

■ 19.2144, 7.8203,
95.1045

Harmonies

Analogous

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



62.3349, 65.8097, 108.9302



68.1456, 65.8097, 103.7186



72.6846, 65.8097, 89.6150

Triad

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



68.1456, 65.8097, 103.7186



68.5415, 65.8097, 47.4594



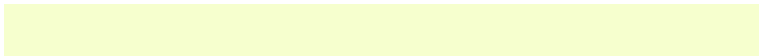
51.9646, 65.8097, 71.0402

Complementary

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



68.1456, 65.8097, 103.7186



84.9081, 95.5698, 72.3672

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.



53.4044, 65.8097, 56.2717



68.1456, 65.8097, 103.7186



62.7659, 65.8097, 44.0322

Square

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



68.1456, 65.8097, 103.7186



72.9231, 65.8097, 57.1865



57.2697, 65.8097, 46.9921



53.2107, 65.8097, 88.3800

Rectangle

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



68.1456, 65.8097, 103.7186



74.2500, 65.8097, 78.0368



57.2697, 65.8097, 46.9921



52.1489, 65.8097, 65.6321

Sweetspot

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



68.1475, 65.8123, 103.7190



85.9150, 88.3312, 107.1292



76.4660, 86.2647, 107.2283



18.1852, 18.6465, 22.8906



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.



68.1475, 65.8123, 103.7190



63.6348, 60.1407, 102.8621



75.8830, 69.8002, 104.0811



17.3141, 17.5381, 22.7226



10.1288, 4.1321, 49.6983



1.0659, 0.4434, 4.8427

Inverse Universe

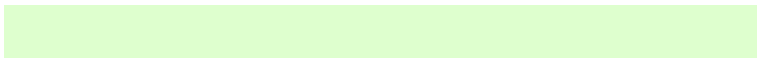
The Inverse Universe completely reimagines the original color for something new.



79.9474, 72.0589, 96.8859



77.4230, 67.4435, 94.7081



76.8785, 91.4304, 71.9915



18.6411, 18.2398, 21.9933



27.5605, 13.5135, 32.6655



2.7189, 1.3299, 3.3673

Previews

White Background



This preview shows how the XYZ color 68.1456, 65.8097, 103.7186 looks on a white background.

Color Contrast Check

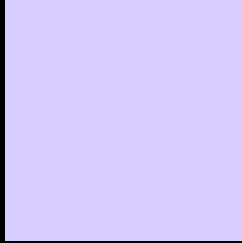
Large Text (above 18pt) WCAG AA × Fail

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 68.1456, 65.8097, 103.7186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

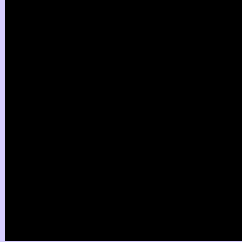
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1456, 65.8097, 103.7186

Background



This preview shows how black text looks on a background with the XYZ color 68.1456, 65.8097, 103.7186.

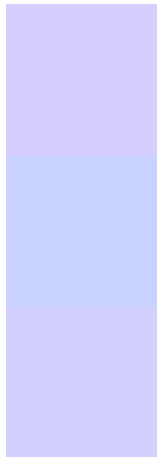


This preview shows how white text looks on a background with the XYZ color 68.1456, 65.8097,

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

68.1456, 65.8097, 103.7186

Protanopia

65.4537, 65.8697, 103.8721

Deuteranopia

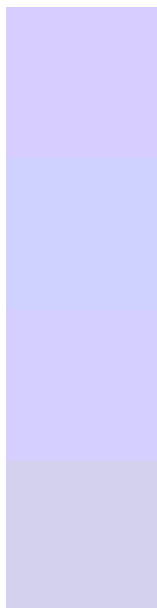
67.2268, 65.6945, 103.7448



Tritanopia

63.8762, 65.8916, 82.7505

Trichromacy



Original Color

68.1456, 65.8097, 103.7186

Protanomaly

66.5826, 66.0863, 103.8544

Deuteranomaly

67.5142, 65.8427, 103.7583

Tritanomaly

65.3845, 65.7710, 90.1379

Monochromacy



Original Color

68.1456, 65.8097, 103.7186

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.1687, 66.5418, 83.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1456, 65.8097, 103.7186 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(215, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1456, 65.8097, 103.7186 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(215, 206, 255) }
```


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

```
.border{ border-color:rgb(215, 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(215, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1456, 65.8097, 103.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 206, 255) }
```

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

```
.background{ background-color: rgb(215,  
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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