

Converting Colors

XYZ(68.1015, 66.1028,
103.4031)

Have a look what the booklet for
XYZ(68.1015, 66.1028, 103.4031)
contains.

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Color

**XYZ(68.0944, 66.1418,
103.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	D6CFFF
RGB	214, 207, 255
RGB Percent	84%, 81%, 100%
CMY	0.1608, 0.1882, 0.0000
CMYK	0.16, 0.19, 0.00, 0.00
HSL	249°, 100%, 91%
HSV	249°, 19%, 100%
XYZ	68.0944, 66.1418, 103.7854
YIQ	214.5650, -11.2360, 16.4120

Conversions

Conversions Part 2

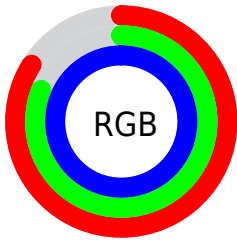
Format	Color
R _Y B	214, 207, 255
Decimal	14077951
CIE Lab	85.07, 11.76, -22.57
CIE LCh	85, 25.451, 297.514
Yxy	66.1418, 0.2861, 0.2779
Android (android.graphics.Color)	4292268031 (0xFFD6CFFF)
YUV	214.5650, 19.9345, -0.4955
Hunter-Lab	81.3276, 7.1321, -18.7330

Details

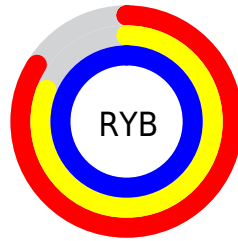
The XYZ color **68.0944, 66.1418, 103.7854** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.7352, 95.9821, 73.0422**, and the grayscale version is **64.1740, 67.5161, 73.5250**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8824, 34.2306, 58.1420** is the 20% darker color. If you saturate the color by 10%, you get **56.4708, 51.7087, 101.6122**, and if you desaturate by 10%, it is **81.5695, 83.0138, 106.3318**.

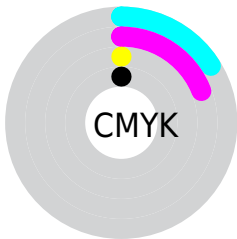
Distribution



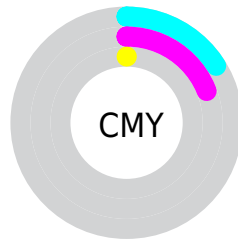
- Red (84%)
- Green (81%)
- Blue (100%)



- 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 68.0944, 66.1418, 103.7854 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 68.0944, 66.1418, 103.7854 by changing the saturation by 10% instead.

68.0944, 66.1418,
103.7854

68.0944, 66.1418,
103.7854

443.2019,
446.8838, 593.6120

50.2485, 48.3875,
78.8312

115.5283,
113.6898, 168.4466

35.8295, 34.1339,
58.2365

145.8471,
144.2524, 208.9907

24.4720, 22.9965,
41.5829

181.0542,
179.8531, 255.5685

15.8108, 14.5909,
28.4517

221.5149,
220.8765, 308.5986

9.4803, 8.5328,
18.4244

267.5947,
267.7068, 368.4994

5.1154, 4.4377,
11.0825

319.6589,

2.3506, 1.9213,

320.7286, 435.6896

6.0075

378.0729,
380.3261, 510.5876

■ 0.8204, 0.5611,
2.7808

■ 0.0000, 0.0000,
0.9838

■ 68.0944, 66.1418,
103.7854

■ 68.0944, 66.1418,
103.7854

■ 56.4708, 51.7087,
101.6122

■ 81.5695, 83.0138,
106.3318

■ 46.6118, 39.5935,
99.7933

95.0500, 100.0000,
108.9000

■ 38.4318, 29.6772,
98.3104

■ 31.8358, 21.8265,
97.1427

■ 26.7191, 15.8939,
96.2673

■ 22.9641, 11.7119,
95.6580

■ 20.4345, 9.0836,
95.2840

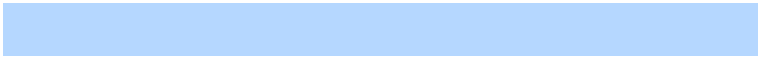
■ 18.9479, 7.7313,
95.1014

■ 18.8194, 7.6167,
95.0860

Harmonies

Analogous

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



62.3890, 66.1418, 108.3667



68.0944, 66.1418, 103.7854



72.6254, 66.1418, 90.3297

Triad

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



68.0944, 66.1418, 103.7854



68.9713, 66.1418, 48.5442



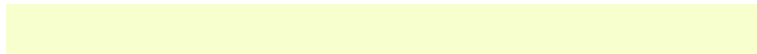
52.4879, 66.1418, 70.6570

Complementary

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



68.0944, 66.1418, 103.7854



85.7352, 95.9821, 73.0422

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.



54.0222, 66.1418, 56.3636



68.0944, 66.1418, 103.7854



63.3450, 66.1418, 44.8679

Square

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



68.0944, 66.1418, 103.7854



73.1529, 66.1418, 58.4012



57.9119, 66.1418, 47.4995



53.5913, 66.1418, 87.6002

Rectangle

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



68.0944, 66.1418, 103.7854



74.2487, 66.1418, 79.0573



57.9119, 66.1418, 47.4995



52.7101, 66.1418, 65.4079

Sweetspot

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



68.0963, 66.1444, 103.7858



85.7160, 88.2287, 107.1199



77.5358, 87.9908, 107.5051



18.1384, 18.6223, 22.8884



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.



68.0963, 66.1444, 103.7858



63.0186, 59.8231, 102.8333



75.4233, 69.9217, 104.1287



17.2494, 17.5048, 22.7196



9.9073, 4.0179, 49.6879



1.0347, 0.4273, 4.8412

Inverse Universe

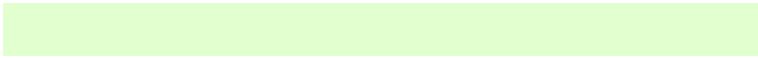
The Inverse Universe completely reimagines the original color for something new.



80.4976, 72.6654, 98.5918



77.7625, 67.5793, 96.4958



77.9508, 91.9690, 72.6778



18.6721, 18.2521, 22.1563



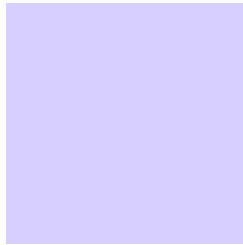
28.1924, 13.7663, 35.9933



2.7747, 1.3523, 3.6611

Previews

White Background



This preview shows how the XYZ color 68.0944, 66.1418, 103.7854 looks on a white background.

Color Contrast Check

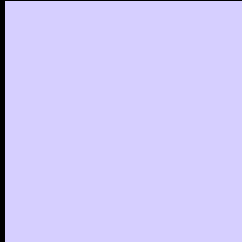
Large Text (above 18pt) WCAG AA × Fail

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 68.0944, 66.1418, 103.7854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

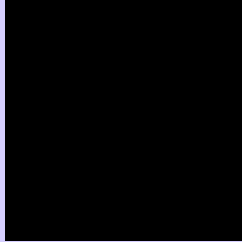
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0944, 66.1418, 103.7854

Background



This preview shows how black text looks on a background with the XYZ color 68.0944, 66.1418, 103.7854.

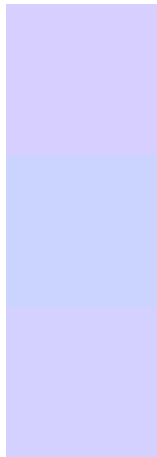


This preview shows how white text looks on a background with the XYZ color 68.0944, 66.1418,

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

68.0944, 66.1418, 103.7854

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

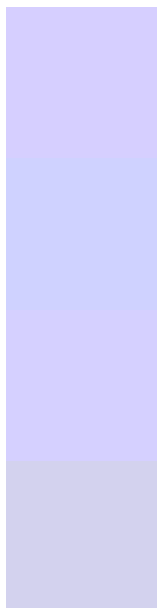
67.7573, 66.3288, 103.8393



Tritanopia

63.8416, 66.2437, 82.8203

Trichromacy



Original Color

68.0944, 66.1418, 103.7854

Protanomaly

66.8287, 66.5786, 103.9364

Deuteranomaly

68.0464, 66.4779, 103.8528

Tritanomaly

65.3432, 66.1151, 90.2065

Monochromacy



Original Color

68.0944, 66.1418, 103.7854

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 68.0944, 66.1418, 103.7854 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(214, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 207, 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(214, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0944, 66.1418, 103.7854 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(214, 207, 255) }
```


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

```
.border{ border-color:rgb(214, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0944, 66.1418, 103.7854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 207, 255) }
```

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

```
.background{ background-color: rgb(214,  
207, 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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