

Converting Colors

XYZ(85.3794, 75.4420,
194.3533)

Have a look what the booklet for
XYZ(85.3794, 75.4420, 194.3533)
contains.

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Color

**XYZ(68.1387, 68.3638,
104.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	D1D5FF
RGB	209, 213, 255
RGB Percent	82%, 84%, 100%
CMY	0.1804, 0.1647, 0.0000
CMYK	0.18, 0.16, 0.00, 0.00
HSL	235°, 100%, 91%
HSV	235°, 18%, 100%
XYZ	68.1387, 68.3638, 104.2120
YIQ	216.5920, -15.8660, 12.2140

Conversions

Conversions Part 2

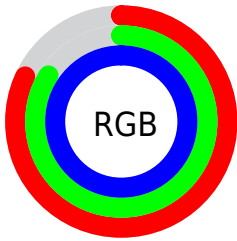
Format	Color
R _Y B	209, 213, 255
Decimal	13751807
CIE Lab	86.19, 7.03, -20.91
CIE LCh	86, 22.062, 288.580
Yxy	68.3638, 0.2831, 0.2840
Android (android.graphics.Color)	4291941887 (0xFFD1D5FF)
YUV	216.5920, 18.9351, -6.6582
Hunter-Lab	82.6824, 2.4079, -16.8508

Details

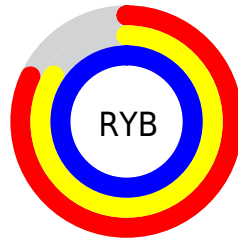
The XYZ color **68.1387, 68.3638, 104.2120** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.2454, 94.8565, 74.0340**, and the grayscale version is **65.5582, 68.9723, 75.1109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7463, 35.4010, 58.3751** is the 20% darker color. If you saturate the color by 10%, you get **56.0518, 54.0562, 102.0874**, and if you desaturate by 10%, it is **82.2247, 84.9533, 106.6717**.

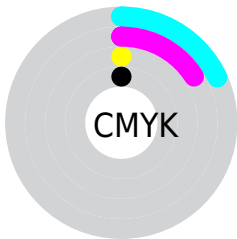
Distribution



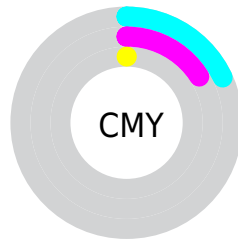
- Red (82%)
- Green (84%)
- Blue (100%)



- Red (82%)
- Yellow (84%)
- Blue (100%)



- Cyan (18%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1387, 68.3638, 104.2120 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 68.1387, 68.3638, 104.2120 by changing the saturation by 10% instead.

■ 68.1387, 68.3638,
104.2120

■ 68.1387, 68.3638,
104.2120

443.3563,
454.7839, 594.9756

■ 50.2847, 50.1938,
79.1864

115.5914,
116.8724, 169.0357

■ 35.8584, 35.5674,
58.5268

145.9207,
147.9798, 209.6708

■ 24.4944, 24.1003,
41.8148

181.1392,
184.1684, 256.3462

■ 15.8275, 15.4080,
28.6318

221.6122,
225.8227, 309.4803

■ 9.4922, 9.1062,
18.5593

267.7050,
273.3270, 369.4918

■ 5.1233, 4.8105,
11.1787

319.7831,

■ 2.3553, 2.1365,

327.0657, 436.7991

6.0715

378.2117,
387.4232, 511.8209

■ 0.8227, 0.6851,
2.8191

■ 0.0000, 0.0000,
1.0030

■ 68.1387, 68.3638,
104.2120

■ 68.1387, 68.3638,
104.2120

■ 56.0518, 54.0562,
102.0874

■ 82.2247, 84.9533,
106.6717

■ 45.8678, 41.9228,
100.2822

95.0500, 100.0000,
108.9000

■ 37.4911, 31.8594,
98.7812

■ 30.8157, 23.7500,
97.5678

■ 25.7242, 17.4670,
96.6234

■ 22.0845, 12.8677,
95.9275

■ 19.7423, 9.7879,
95.4565

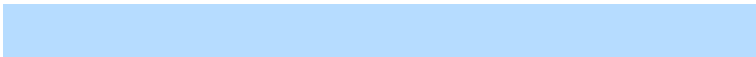
■ 18.4990, 8.0250,
95.1817

■ 18.3405, 7.8010,
95.1468

Harmonies

Analogous

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



63.0637, 68.3638, 105.3473



68.1387, 68.3638, 104.2120



72.5778, 68.3638, 94.5105

Triad

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



68.1387, 68.3638, 104.2120



71.6535, 68.3638, 55.3752



55.8695, 68.3638, 69.0363

Complementary

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



68.1387, 68.3638, 104.2120



87.2454, 94.8565, 74.0340

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.



57.9277, 68.3638, 57.4276



68.1387, 68.3638, 104.2120



66.9301, 68.3638, 50.2541

Square

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



68.1387, 68.3638, 104.2120



74.6789, 68.3638, 65.8775



61.9161, 68.3638, 50.9530



56.1554, 68.3638, 83.7066

Rectangle

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



68.1387, 68.3638, 104.2120



74.4975, 68.3638, 85.1225



61.9161, 68.3638, 50.9530



56.3056, 68.3638, 64.6846

Sweetspot

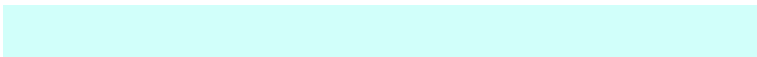
The Sweet Spot groups the original color and five complimentary colors.



68.1406, 68.3665, 104.2124



86.9121, 90.4580, 107.4871



79.3733, 92.0029, 104.3468



18.3670, 19.0850, 22.9657



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.



68.1406, 68.3665, 104.2124



63.1176, 62.4303, 103.3313



72.6564, 69.2184, 104.1388



17.1300, 17.6317, 22.7504



9.6264, 4.1625, 49.7306



0.9785, 0.4877, 4.8558

Inverse Universe

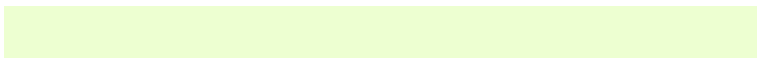
The Inverse Universe completely reimagines the original color for something new.



76.0519, 71.6664, 72.7785



72.5133, 66.4100, 65.9859



82.0609, 94.0595, 74.1534



18.0735, 18.0127, 19.0044



21.6472, 11.1482, 1.5266



2.1285, 1.0938, 0.2582

Previews

White Background



This preview shows how the XYZ color 68.1387, 68.3638, 104.2120 looks on a white background.

Color Contrast Check

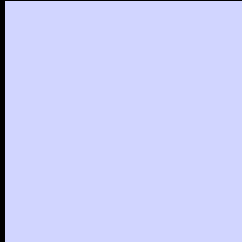
Large Text (above 18pt) WCAG AA × Fail

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 68.1387, 68.3638, 104.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

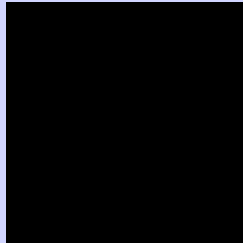
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1387, 68.3638, 104.2120

Background



This preview shows how black text looks on a background with the XYZ color 68.1387, 68.3638, 104.2120.

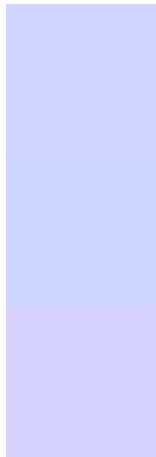


This preview shows how white text looks on a background with the XYZ color 68.1387, 68.3638,

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

68.1387, 68.3638, 104.2120

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

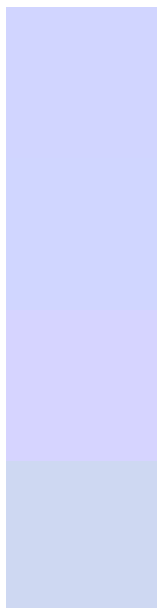
69.9595, 68.5602, 104.1539



Tritanopia

64.8410, 68.5454, 87.6550

Trichromacy



Original Color

68.1387, 68.3638, 104.2120

Protanomaly

68.1090, 68.7230, 104.2829

Deuteranomaly

69.3250, 68.6031, 104.1956

Tritanomaly

66.0365, 68.6443, 93.7736

Monochromacy



Original Color

68.1387, 68.3638, 104.2120

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.7112, 69.1774, 85.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1387, 68.3638, 104.2120 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(209, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 213, 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(209, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1387, 68.3638, 104.2120 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(209, 213, 255) }
```


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

```
.border{ border-color:rgb(209, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1387, 68.3638, 104.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 213, 255) }
```

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

```
.background{ background-color: rgb(209,  
213, 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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