

Converting Colors

XYZ(68.4897, 68.1316,
104.1487)

Have a look what the booklet for
XYZ(68.4897, 68.1316, 104.1487)
contains.

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Color

**XYZ(68.4575, 68.1559,
104.1550)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D4FF
RGB	211, 212, 255
RGB Percent	83%, 83%, 100%
CMY	0.1725, 0.1686, 0.0000
CMYK	0.17, 0.17, 0.00, 0.00
HSL	239°, 100%, 91%
HSV	239°, 17%, 100%
XYZ	68.4575, 68.1559, 104.1550
YIQ	216.6030, -14.3990, 13.1610

Conversions

Conversions Part 2

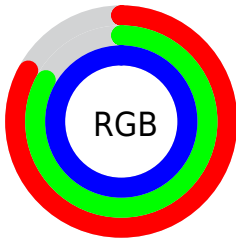
Format	Color
R _Y B	211, 212, 255
Decimal	13882623
CIE Lab	86.08, 8.17, -21.05
CIE LCh	86, 22.586, 291.216
Yxy	68.1559, 0.2843, 0.2831
Android (android.graphics.Color)	4292072703 (0xFFD3D4FF)
YUV	216.6030, 18.9297, -4.9138
Hunter-Lab	82.5566, 3.5416, -17.0118

Details

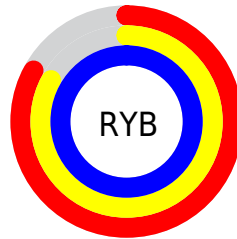
The XYZ color **68.4575, 68.1559, 104.1550** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.4394, 96.8456, 75.6616**, and the grayscale version is **65.5651, 68.9796, 75.1188**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9603, 35.2591, 58.3365** is the 20% darker color. If you saturate the color by 10%, you get **55.9676, 53.1739, 101.9215**, and if you desaturate by 10%, it is **83.0714, 85.6634, 106.7641**.

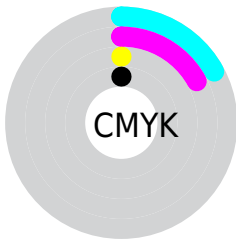
Distribution



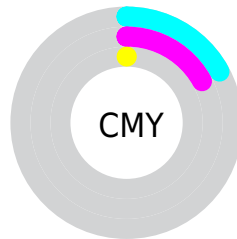
- Red (83%)
- Green (83%)
- Blue (100%)



- Red (83%)
- Yellow (83%)
- Blue (100%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4575, 68.1559, 104.1550 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 68.4575, 68.1559, 104.1550 by changing the saturation by 10% instead.

■ 68.4575, 68.1559,
104.1550

■ 68.4575, 68.1559,
104.1550

444.4666,
454.0482, 594.7935

■ 50.5451, 50.0246,
79.1389

116.0447,
116.5751, 168.9570

■ 36.0662, 35.4329,
58.4880

146.4502,
147.6318, 209.5799

■ 24.6557, 23.9966,
41.7838

181.7507,
183.7658, 256.2423

■ 15.9481, 15.3311,
28.6078

222.3116,
225.3614, 309.3625

■ 9.5780, 9.0521,
18.5413

268.4984,
272.8031, 369.3592

■ 5.1802, 4.7752,
11.1658

320.6762,

■ 2.3892, 2.1160,

326.4751, 436.6509

6.0629

379.2105,
386.7620, 511.6562

■ 0.8397, 0.6736,
2.8140

■ 0.0000, 0.0000,
1.0004

■ 68.4575, 68.1559,
104.1550

■ 68.4575, 68.1559,
104.1550

■ 55.9676, 53.1739,
101.9215

■ 83.0714, 85.6634,
106.7641

■ 45.4974, 40.5931,
100.0450

95.0500, 100.0000,
108.9000

■ 36.9427, 30.2914,
98.5075

■ 30.1874, 22.1322,
97.2886

■ 25.1032, 15.9647,
96.3662

■ 21.5444, 11.6183,
95.7148

■ 19.3408, 8.8941,
95.3051

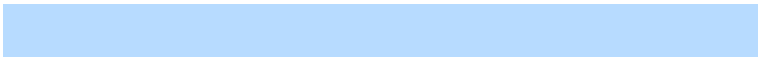
■ 18.2772, 7.5442,
95.1006

■ 18.1130, 7.3461,
95.0710

Harmonies

Analogous

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



63.2688, 68.1559, 106.1752



68.4575, 68.1559, 104.1550



72.8712, 68.1559, 93.5818

Triad

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



68.4575, 68.1559, 104.1550



71.2315, 68.1559, 54.0941



55.4135, 68.1559, 69.9325

Complementary

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



68.4575, 68.1559, 104.1550



88.4394, 96.8456, 75.6616

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.



57.3113, 68.1559, 57.7153



68.4575, 68.1559, 104.1550



66.3154, 68.1559, 49.4061

Square

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



68.4575, 68.1559, 104.1550



74.5313, 68.1559, 64.3444



61.2369, 68.1559, 50.6370



55.9189, 68.1559, 85.0362

Rectangle

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



68.4575, 68.1559, 104.1550



74.6904, 68.1559, 83.7945



61.2369, 68.1559, 50.6370



55.7877, 68.1559, 65.3861

Sweetspot

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



68.4594, 68.1586, 104.1555



86.6670, 89.9679, 107.4054



80.4395, 92.4952, 106.9884



18.3078, 18.9665, 22.9459



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.



68.4594, 68.1586, 104.1555



63.5365, 62.2559, 103.2756



74.4728, 70.8879, 104.3653



17.0362, 17.4440, 22.7191



9.4788, 3.8672, 49.6814



0.9341, 0.3988, 4.8410

Inverse Universe

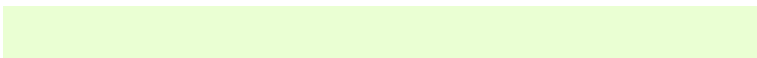
The Inverse Universe completely reimagines the original color for something new.



76.4192, 72.6036, 72.2767



72.9719, 67.5395, 65.4841



81.6037, 93.7950, 75.4331



18.0262, 17.9938, 18.7549



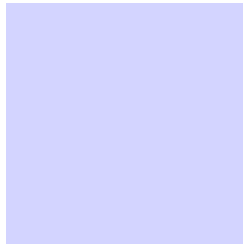
21.5727, 11.1184, 1.1341



2.1061, 1.0848, 0.1401

Previews

White Background



This preview shows how the XYZ color 68.4575, 68.1559, 104.1550 looks on a white background.

Color Contrast Check

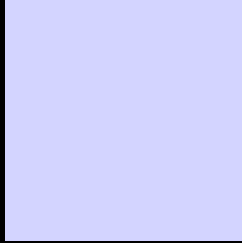
Large Text (above 18pt) WCAG AA × Fail

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 68.4575, 68.1559, 104.1550 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 68.4575, 68.1559, 104.1550

Background



This preview shows how black text looks on a background with the XYZ color 68.4575, 68.1559, 104.1550.

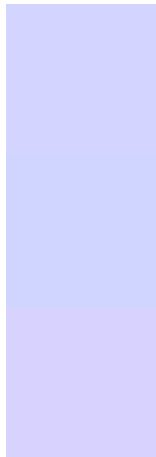


This preview shows how white text looks on a background with the XYZ color 68.4575, 68.1559,

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

68.4575, 68.1559, 104.1550

Protanopia

67.5764, 68.0739, 104.1857

Deuteranopia

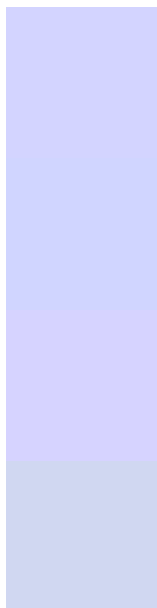
69.4155, 67.9121, 104.0575



Tritanopia

64.9960, 68.2603, 86.8407

Trichromacy



Original Color

68.4575, 68.1559, 104.1550

Protanomaly

67.8567, 68.2184, 104.1988

Deuteranomaly

69.0758, 68.1047, 104.1126

Tritanomaly

66.1900, 68.3616, 92.9256

Monochromacy



Original Color

68.4575, 68.1559, 104.1550

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.7486, 68.8175, 85.3664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4575, 68.1559, 104.1550 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(211, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 212, 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(211, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4575, 68.1559, 104.1550 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(211, 212, 255) }
```


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

```
.border{ border-color:rgb(211, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4575, 68.1559, 104.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 212, 255) }
```

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

```
.background{ background-color: rgb(211,  
212, 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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