

Converting Colors

XYZ(68.2327, 67.6869,
104.0764)

Have a look what the booklet for
XYZ(68.2327, 67.6869, 104.0764)
contains.

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Color

**XYZ(68.2082, 67.6574,
104.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D3FF
RGB	211, 211, 255
RGB Percent	83%, 83%, 100%
CMY	0.1725, 0.1725, 0.0000
CMYK	0.17, 0.17, 0.00, 0.00
HSL	240°, 100%, 91%
HSV	240°, 17%, 100%
XYZ	68.2082, 67.6574, 104.0720
YIQ	216.0160, -14.1240, 13.6840

Conversions

Conversions Part 2

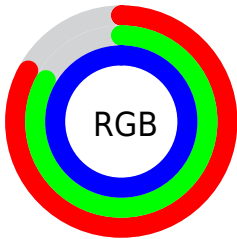
Format	Color
R _Y B	211, 211, 255
Decimal	13882367
CIE Lab	85.83, 8.70, -21.43
CIE LCh	86, 23.133, 292.103
Yxy	67.6574, 0.2843, 0.2820
Android (android.graphics.Color)	4292072447 (0xFFD3D3FF)
YUV	216.0160, 19.2191, -4.3990
Hunter-Lab	82.2541, 4.0742, -17.4388

Details

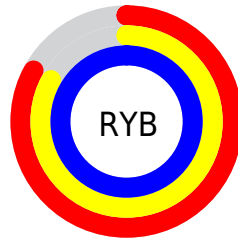
The XYZ color **68.2082, 67.6574, 104.0720** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.7575, 97.4818, 75.7675**, and the grayscale version is **65.1629, 68.5564, 74.6580**.

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 **55.6340, 52.5069, 101.8104**, and if you desaturate by 10%, it is **82.9497, 85.4202, 106.7236**.

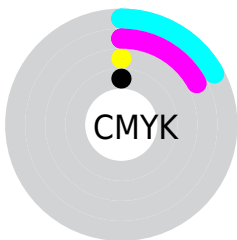
Distribution



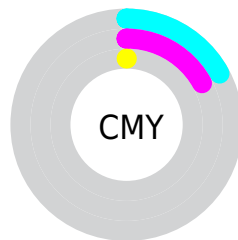
- Red (83%)
- Green (83%)
- Blue (100%)



- 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 68.2082, 67.6574, 104.0720 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 68.2082, 67.6574, 104.0720 by changing the saturation by 10% instead.

68.2082, 67.6574,
104.0720

68.2082, 67.6574,
104.0720

443.5985,
452.2812, 594.5283

50.3414, 49.6191,
79.0698

115.6902,
115.8619, 168.8424

35.9037, 35.1108,
58.4315

146.0362,
146.7968, 209.4476

24.5296, 23.7482,
41.7387

181.2726,
182.7995, 256.0910

15.8538, 15.1470,
28.5727

221.7647,
224.2541, 309.1910

9.5109, 8.9226,
18.5150

267.8781,
271.5452, 369.1662

5.1357, 4.6907,
11.1471

319.9779,

2.3627, 2.0670,

325.0572, 436.4351

6.0505

378.4296,
385.1744, 511.4163

■ 0.8264, 0.6460,
2.8065

■ 0.0000, 0.0000,
0.9967

■ 68.2082, 67.6574,
104.0720

■ 68.2082, 67.6574,
104.0720

■ 55.6340, 52.5069,
101.8104

■ 82.9497, 85.4202,
106.7236

■ 45.1198, 39.8380,
99.9192

95.0500, 100.0000,
108.9000

■ 36.5574, 29.5209,
98.3791

■ 29.8267, 21.4108,
97.1684

■ 24.7943, 15.3470,
96.2632

■ 21.3088, 11.1470,
95.6362

■ 19.1918, 8.5961,
95.2554

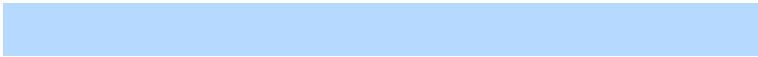
■ 18.2138, 7.4175,
95.0795

■ 18.0501, 7.2203,
95.0500

Harmonies

Analogous

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



62.9195, 67.6574, 106.4361



68.2082, 67.6574, 104.0720



72.6675, 67.6574, 93.0391

Triad

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



68.2082, 67.6574, 104.0720



70.7557, 67.6574, 52.9966



54.7524, 67.6574, 69.7388

Complementary

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



68.2082, 67.6574, 104.0720



88.7575, 97.4818, 75.7675

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.



56.6125, 67.6574, 57.1906



68.2082, 67.6574, 104.0720



65.7134, 67.6574, 48.4263

Square

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



68.2082, 67.6574, 104.0720



74.1935, 67.6574, 63.2456



60.5562, 67.6574, 49.8490



55.3390, 67.6574, 85.1755

Rectangle

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



68.2082, 67.6574, 104.0720



74.4746, 67.6574, 82.9826



60.5562, 67.6574, 49.8490



55.1085, 67.6574, 65.0768

Sweetspot

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



68.2101, 67.6601, 104.0724



86.5806, 89.7951, 107.3766



80.5568, 92.5421, 107.6066



18.2869, 18.9247, 22.9390



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.



68.2101, 67.6601, 104.0724



63.2509, 61.6847, 103.1804



74.7106, 71.0104, 104.3764



17.0032, 17.3780, 22.7081



9.4316, 3.7728, 49.6657



0.9183, 0.3674, 4.8358

Inverse Universe

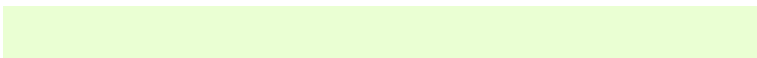
The Inverse Universe completely reimagines the original color for something new.



76.2933, 72.5531, 71.6141



72.8277, 67.4818, 64.7249



81.3627, 93.6708, 75.4216



18.0095, 17.9871, 18.6672



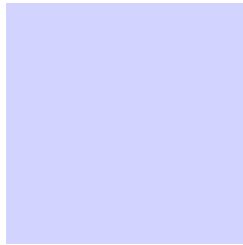
21.5488, 11.1088, 1.0088



2.0981, 1.0816, 0.0983

Previews

White Background



This preview shows how the XYZ color 68.2082, 67.6574, 104.0720 looks on a white background.

Color Contrast Check

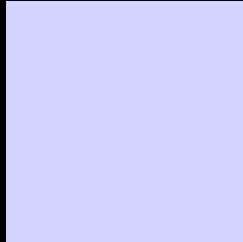
Large Text (above 18pt) WCAG AA × Fail

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 68.2082, 67.6574, 104.0720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

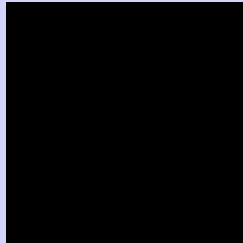
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2082, 67.6574, 104.0720

Background



This preview shows how black text looks on a background with the XYZ color 68.2082, 67.6574, 104.0720.

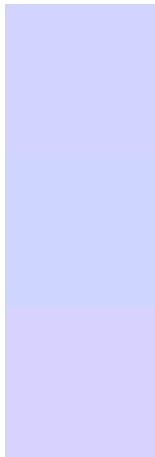


This preview shows how white text looks on a background with the XYZ color 68.2082, 67.6574,

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

68.2082, 67.6574, 104.0720

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

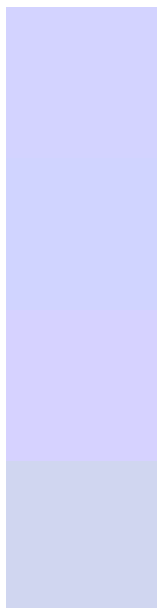
69.1209, 67.7603, 104.0437



Tritanopia

64.5981, 67.6925, 86.0052

Trichromacy



Original Color

68.2082, 67.6574, 104.0720

Protanomaly

67.6059, 67.7169, 104.1152

Deuteranomaly

68.8281, 67.6093, 104.0300

Tritanomaly

65.7872, 67.7943, 92.0563

Monochromacy



Original Color

68.2082, 67.6574, 104.0720

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.0611, 68.1024, 84.5262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2082, 67.6574, 104.0720 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, 211, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 68.2082, 67.6574, 104.0720 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, 211, 255) }
```


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

```
.border{ border-color:rgb(211, 211, 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, 211, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 68.2082, 67.6574, 104.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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