

Converting Colors

XYZ(70.1003, 69.7761,
116.4418)

Have a look what the booklet for
XYZ(70.1003, 69.7761, 116.4418)
contains.

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Color

**XYZ(67.8040, 68.9427,
104.3414)**

Conversions

Conversions Part 1

Format	Color
Hex	CED7FF
RGB	206, 215, 255
RGB Percent	81%, 84%, 100%
CMY	0.1921, 0.1568, 0.0000
CMYK	0.19, 0.16, 0.00, 0.00
HSL	229°, 100%, 90%
HSV	229°, 19%, 100%
XYZ	67.8040, 68.9427, 104.3414
YIQ	216.8690, -18.2040, 10.5320

Conversions

Conversions Part 2

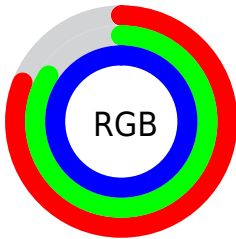
Format	Color
R _Y B	206, 214, 255
Decimal	13555711
CIE Lab	86.48, 5.06, -20.50
CIE LCh	86, 21.112, 283.856
Yxy	68.9427, 0.2812, 0.2860
Android (android.graphics.Color)	4291745791 (0xFFCED7FF)
YUV	216.8690, 18.7986, -9.5321
Hunter-Lab	83.0317, 0.4582, -16.3842

Details

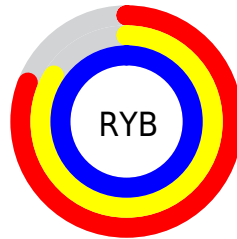
The XYZ color **67.8040, 68.9427, 104.3414** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.3360, 91.6265, 71.5821**, and the grayscale version is **65.7495, 69.1736, 75.3301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5263, 35.7981, 58.4634** is the 20% darker color. If you saturate the color by 10%, you get **56.3236, 55.6518, 102.3810**, and if you desaturate by 10%, it is **81.1110, 84.1797, 106.5810**.

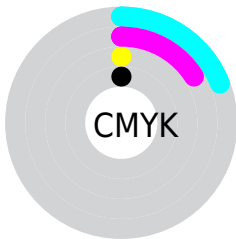
Distribution



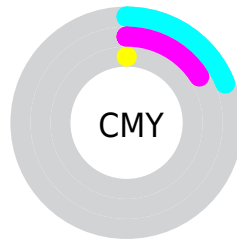
- Red (81%)
- Green (84%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8040, 68.9427, 104.3414 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 67.8040, 68.9427, 104.3414 by changing the saturation by 10% instead.

67.8040, 68.9427,
104.3414

67.8040, 68.9427,
104.3414

442.1889,
456.8289, 595.3889

50.0114, 50.6650,
79.2941

115.1152,
117.6997, 169.2143

35.6403, 35.9421,
58.6149

145.3644,
148.9479, 209.8770

24.3253, 24.3895,
41.8852

180.4966,
185.2884, 256.5819

15.7012, 15.6228,
28.6865

220.8771,
227.1055, 309.7476

9.4024, 9.2576,
18.6003

266.8712,
274.7837, 369.7926

5.0638, 4.9096,
11.2079

318.8443,

2.3199, 2.1943,

328.7074, 437.1355

6.0909

377.1617,
389.2610, 512.1947

■ 0.8048, 0.7169,
2.8308

■ 0.0000, 0.0000,
1.0089

■ 67.8040, 68.9427,
104.3414

■ 67.8040, 68.9427,
104.3414

■ 56.3236, 55.6518,
102.3810

■ 81.1110, 84.1797,
106.5810

■ 46.5836, 44.2199,
100.6878

95.0500, 100.0000,
108.9000

■ 38.4991, 34.5652,
99.2504

■ 31.9759, 26.5967,
98.0561

■ 26.9100, 20.2146,
97.0912

■ 23.1842, 15.3087,
96.3407

■ 20.6620, 11.7532,
95.7873

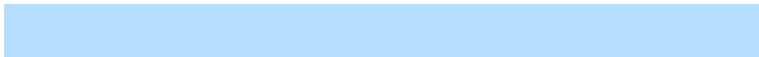
■ 19.1520, 9.3867,
95.4101

■ 19.0606, 9.2411,
95.3869

Harmonies

Analogous

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



62.9500, 68.9427, 103.9954



67.8040, 68.9427, 104.3414



72.2559, 68.9427, 96.1907

Triad

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



67.8040, 68.9427, 104.3414



72.5394, 68.9427, 57.9237



56.9105, 68.9427, 67.8305

Complementary

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



67.8040, 68.9427, 104.3414



85.3360, 91.6265, 71.5821

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.



59.2312, 68.9427, 57.2869



67.8040, 68.9427, 104.3414



68.1754, 68.9427, 52.0720

Square

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



67.8040, 68.9427, 104.3414



75.0804, 68.9427, 68.8052



63.3034, 68.9427, 51.8544



56.8222, 68.9427, 81.6974

Rectangle

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



67.8040, 68.9427, 104.3414



74.3297, 68.9427, 87.5591



63.3034, 68.9427, 51.8544



57.4500, 68.9427, 63.8232

Sweetspot

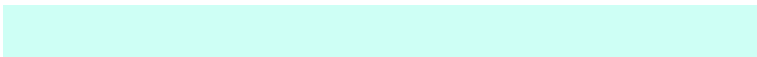
The Sweet Spot groups the original color and five complimentary colors.



67.8059, 68.9454, 104.3418



85.7879, 89.5017, 107.3618



77.7263, 91.2470, 100.0626



18.1553, 18.9220, 22.9454



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.



67.8059, 68.9454, 104.3418



63.2494, 63.6893, 103.5674



69.8499, 66.6892, 103.7985



17.2729, 17.9174, 22.7980



10.0366, 4.9828, 49.8674



1.0463, 0.6234, 4.8784

Inverse Universe

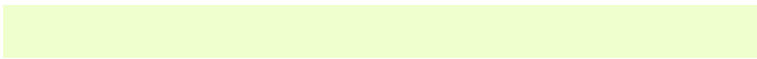
The Inverse Universe completely reimagines the original color for something new.



75.5782, 70.3103, 73.8810



72.3368, 65.4091, 67.9247



82.9382, 94.5543, 72.2736



18.1457, 18.0416, 19.3842



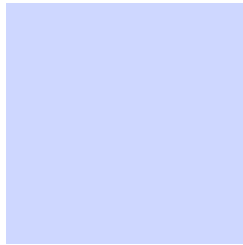
21.8542, 11.2310, 2.6168



2.1627, 1.1075, 0.4385

Previews

White Background



This preview shows how the XYZ color 67.8040, 68.9427, 104.3414 looks on a white background.

Color Contrast Check

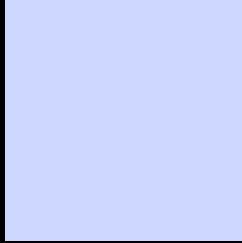
Large Text (above 18pt) WCAG AA × Fail

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 67.8040, 68.9427, 104.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

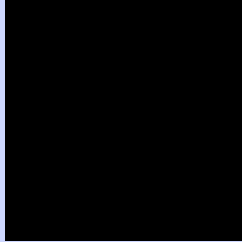
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8040, 68.9427, 104.3414

Background



This preview shows how black text looks on a background with the XYZ color 67.8040, 68.9427, 104.3414.

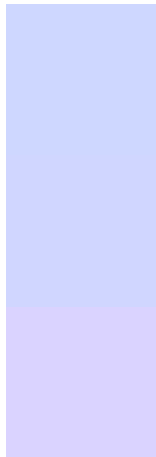


This preview shows how white text looks on a background with the XYZ color 67.8040, 68.9427,

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

67.8040, 68.9427, 104.3414

Protanopia

68.1090, 68.7230, 104.2829

Deuteranopia

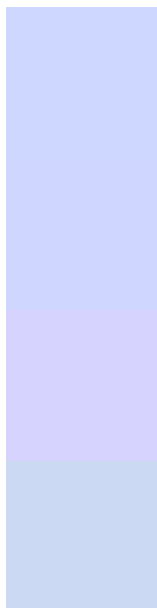
70.2577, 68.7140, 104.1679



Tritanopia

64.5688, 68.7555, 89.2249

Trichromacy



Original Color

67.8040, 68.9427, 104.3414

Protanomaly

67.8287, 68.5785, 104.2698

Deuteranomaly

69.3250, 68.6031, 104.1956

Tritanomaly

65.6191, 68.7933, 94.6140

Monochromacy



Original Color

67.8040, 68.9427, 104.3414

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.4202, 69.0274, 85.4242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8040, 68.9427, 104.3414 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(206, 215, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 67.8040, 68.9427, 104.3414 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(206, 215, 255) }
```


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

```
.border{ border-color:rgb(206, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 215, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 67.8040, 68.9427, 104.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(206,  
215, 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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