

Converting Colors

XYZ(68.7833, 68.8601,
104.2738)

Have a look what the booklet for
XYZ(68.7833, 68.8601, 104.2738)
contains.

XYZ(68.7082, 68.6574, 104.2386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7082, 68.6574,
104.2386)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D5FF
RGB	211, 213, 255
RGB Percent	83%, 84%, 100%
CMY	0.1725, 0.1647, 0.0000
CMYK	0.17, 0.16, 0.00, 0.00
HSL	237°, 100%, 91%
HSV	237°, 17%, 100%
XYZ	68.7082, 68.6574, 104.2386
YIQ	217.1900, -14.6740, 12.6380

Conversions

Conversions Part 2

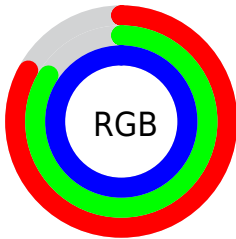
Format	Color
R _Y B	211, 213, 255
Decimal	13882879
CIE Lab	86.33, 7.64, -20.68
CIE LCh	86, 22.044, 290.287
Yxy	68.6574, 0.2844, 0.2842
Android (android.graphics.Color)	4292072959 (0xFFD3D5FF)
YUV	217.1900, 18.6403, -5.4286
Hunter-Lab	82.8598, 3.0095, -16.5857

Details

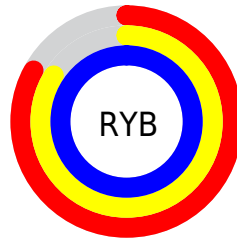
The XYZ color **68.7082, 68.6574, 104.2386** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.1227, 96.2124, 75.5559**, and the grayscale version is **65.9686, 69.4041, 75.5811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1302, 35.5989, 58.3931** is the 20% darker color. If you saturate the color by 10%, you get **56.3047, 53.8482, 102.0339**, and if you desaturate by 10%, it is **83.1931, 85.9069, 106.8047**.

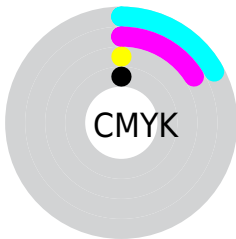
Distribution



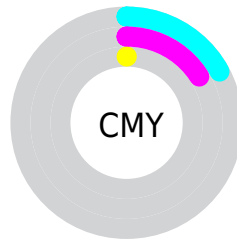
- Red (83%)
- Green (84%)
- Blue (100%)



- Red (83%)
- Yellow (84%)
- Blue (100%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7082, 68.6574, 104.2386 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 68.7082, 68.6574, 104.2386 by changing the saturation by 10% instead.

■ 68.7082, 68.6574,
104.2386

■ 68.7082, 68.6574,
104.2386

445.3386,
455.8217, 595.0606

■ 50.7499, 50.4327,
79.2085

116.4011,
117.2921, 169.0724

■ 36.2298, 35.7574,
58.5449

146.8663,
148.4710, 209.7132

■ 24.7827, 24.2469,
41.8293

182.2312,
184.7366, 256.3946

■ 16.0431, 15.5168,
28.6431

222.8612,
226.4736, 309.5353

■ 9.6457, 9.1829,
18.5677

269.1216,
274.0662, 369.5536

■ 5.2251, 4.8607,
11.1847

321.3777,

■ 2.4161, 2.1658,

327.8988, 436.8683

6.0755

379.9949,
388.3558, 511.8977

■ 0.8531, 0.7012,
2.8215

■ 0.0000, 0.0000,
1.0042

■ 68.7082, 68.6574,
104.2386

■ 68.7082, 68.6574,
104.2386

■ 56.3047, 53.8482,
102.0339

■ 83.1931, 85.9069,
106.8047

■ 45.8815, 41.3615,
100.1731

95.0500, 100.0000,
108.9000

■ 37.3379, 31.0819,
98.6392

■ 30.5617, 22.8809,
97.4134

■ 25.4292, 16.6167,
96.4748

■ 21.8003, 12.1301,
95.8001

■ 19.5118, 9.2360,
95.3621

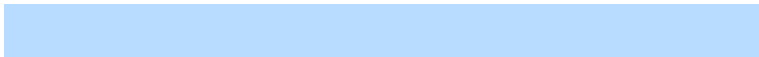
■ 18.3587, 7.7072,
95.1278

■ 18.1767, 7.4735,
95.0922

Harmonies

Analogous

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



63.6200, 68.6574, 105.9156



68.7082, 68.6574, 104.2386



73.0761, 68.6574, 94.1268

Triad

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



68.7082, 68.6574, 104.2386



71.7099, 68.6574, 55.2068



56.0804, 68.6574, 70.1278

Complementary

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



68.7082, 68.6574, 104.2386



88.1227, 96.2124, 75.5559

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.



58.0162, 68.6574, 58.2441



68.7082, 68.6574, 104.2386



66.9214, 68.6574, 50.3993

Square

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



68.7082, 68.6574, 104.2386



74.8706, 68.6574, 65.4558



61.9230, 68.6574, 51.4339



56.5033, 68.6574, 84.8984

Rectangle

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



68.7082, 68.6574, 104.2386



74.9074, 68.6574, 84.6116



61.9230, 68.6574, 51.4339



56.4729, 68.6574, 65.6975

Sweetspot

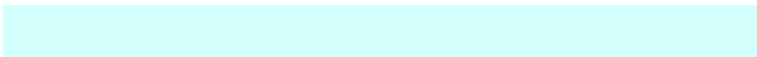
The Sweet Spot groups the original color and five complimentary colors.



68.7101, 68.6601, 104.2391



86.7536, 90.1411, 107.4343



80.3225, 92.4484, 106.3725



18.3287, 19.0084, 22.9529



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.



68.7101, 68.6601, 104.2391



63.8246, 62.8320, 103.3716



74.2358, 70.7656, 104.3542



17.0693, 17.5102, 22.7301



9.5260, 3.9615, 49.6972



0.9498, 0.4303, 4.8463

Inverse Universe

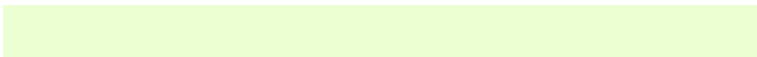
The Inverse Universe completely reimagines the original color for something new.



76.5457, 72.6541, 72.9432



73.1172, 67.5976, 66.2497



81.8456, 93.9197, 75.4442



18.0429, 18.0005, 18.8429



21.5965, 11.1279, 1.2596



2.1140, 1.0880, 0.1819

Previews

White Background



This preview shows how the XYZ color 68.7082, 68.6574, 104.2386 looks on a white background.

Color Contrast Check

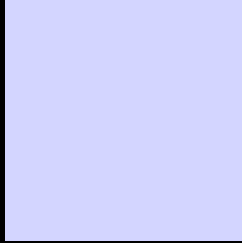
Large Text (above 18pt) WCAG AA × Fail

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 68.7082, 68.6574, 104.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

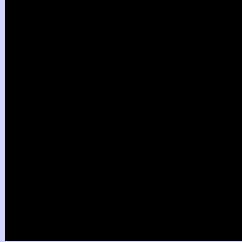
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7082, 68.6574, 104.2386

Background



This preview shows how black text looks on a background with the XYZ color 68.7082, 68.6574, 104.2386.



This preview shows how white text looks on a background with the XYZ color 68.7082, 68.6574,

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

68.7082, 68.6574, 104.2386

Protanopia

68.1090, 68.7230, 104.2829

Deuteranopia

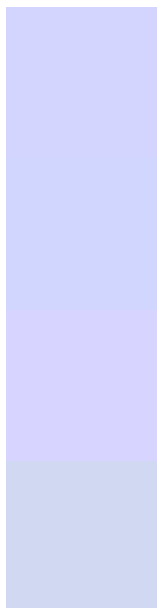
70.2577, 68.7140, 104.1679



Tritanopia

65.3963, 68.8316, 87.6810

Trichromacy



Original Color

68.7082, 68.6574, 104.2386

Protanomaly

68.3911, 68.8684, 104.2961

Deuteranomaly

69.6178, 68.7540, 104.2093

Tritanomaly

66.5953, 68.9324, 93.7997

Monochromacy



Original Color

68.7082, 68.6574, 104.2386

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.0040, 69.3283, 85.4515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7082, 68.6574, 104.2386 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.7082, 68.6574, 104.2386 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, 213, 255) }
```


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

```
.border{ border-color:rgb(211, 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(211, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7082, 68.6574, 104.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 213, 255) }
```

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

```
.background{ background-color: rgb(211,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor