

Converting Colors

XYZ(68.6975, 72.4965,
104.0305)

Have a look what the booklet for
XYZ(68.6975, 72.4965, 104.0305)
contains.

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Color

**XYZ(68.6342, 72.4877,
104.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	CADFFE
RGB	202, 223, 254
RGB Percent	79%, 87%, 100%
CMY	0.2078, 0.1255, 0.0039
CMYK	0.20, 0.12, 0.00, 0.00
HSL	216°, 96%, 89%
HSV	216°, 20%, 100%
XYZ	68.6342, 72.4877, 104.1400
YIQ	220.2550, -22.4670, 5.1890

Conversions

Conversions Part 2

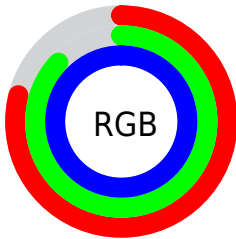
Format	Color
R _Y B	202, 217, 254
Decimal	13295614
CIE Lab	88.20, -0.57, -17.39
CIE LCh	88, 17.402, 268.114
Yxy	72.4877, 0.2798, 0.2956
Android (android.graphics.Color)	4291485694 (0xFFCADFFE)
YUV	220.2550, 16.6363, -16.0096
Hunter-Lab	85.1397, -5.0992, -12.9237

Details

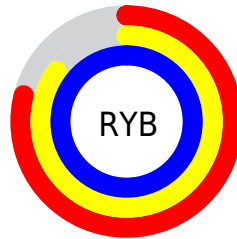
The XYZ color **68.6342, 72.4877, 104.1400** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6733, 83.6130, 67.7658**, and the grayscale version is **68.1061, 71.6529, 78.0300**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1133, 38.2395, 58.3009** is the 20% darker color. If you saturate the color by 10%, you get **58.4533, 61.5016, 102.5572**, and if you desaturate by 10%, it is **80.3124, 84.7864, 105.8996**.

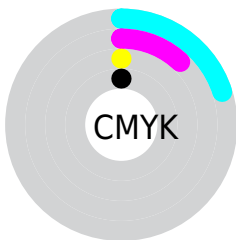
Distribution



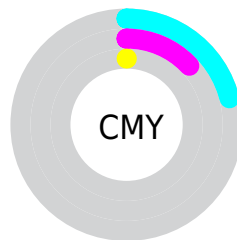
- Red (79%)
- Green (87%)
- Blue (100%)



- Red (79%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6342, 72.4877, 104.1400 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 68.6342, 72.4877, 104.1400 by changing the saturation by 10% instead.

■ 68.6342, 72.4877,
104.1400

■ 68.6342, 72.4877,
104.1400

445.0813,
469.2373, 594.7456

■ 50.6894, 53.5572,
79.1264

116.2959,
122.7497, 168.9363

■ 36.1815, 38.2477,
58.4778

146.7435,
154.8499, 209.5560

■ 24.7452, 26.1750,
41.7757

182.0894,
192.1088, 256.2149

■ 16.0150, 16.9546,
28.6014

222.6990,
234.9108, 309.3315

■ 9.6257, 10.2021,
18.5365

268.9377,
283.6402, 369.3244

■ 5.2119, 5.5332,
11.1625

321.1707,

■ 2.4081, 2.5634,

338.6815, 436.6119

6.0607

379.7635,
400.4191, 511.6128

■ 0.8492, 0.9083,
2.8126

■ 0.0000, 0.0000,
0.9998

■ 68.6342, 72.4877,
104.1400

■ 68.6342, 72.4877,
104.1400

■ 58.4533, 61.5016,
102.5572

■ 80.3124, 84.7864,
105.8996

■ 49.6984, 51.7718,
101.1407

■ 93.5419, 98.4335,
107.8364

■ 42.3019, 43.2508,
99.8858

■ 94.8896, 99.9358,
108.0554

■ 36.1877, 35.8841,
98.7861

■ 31.2717, 29.6123,
97.8346

■ 27.4581, 24.3692,
97.0236

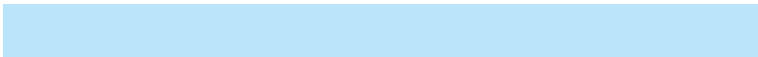
■ 24.6343, 20.0790,
96.3443

■ 22.6992, 16.7749,
95.8086

Harmonies

Analogous

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



64.7532, 72.4877, 100.0465



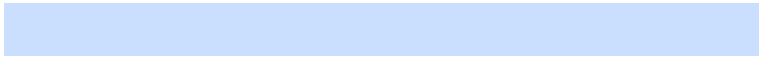
68.6342, 72.4877, 104.1400



72.7404, 72.4877, 100.9330

Triad

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



68.6342, 72.4877, 104.1400



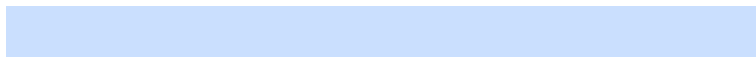
76.2048, 72.4877, 68.6049



62.3188, 72.4877, 67.4212

Complementary

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



68.6342, 72.4877, 104.1400



80.6733, 83.6130, 67.7658

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.



65.1921, 72.4877, 60.3770



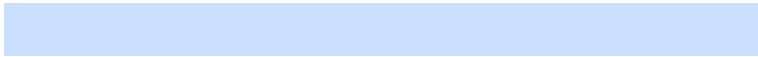
68.6342, 72.4877, 104.1400



73.2147, 72.4877, 61.0104

Square

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



68.6342, 72.4877, 104.1400



77.2152, 72.4877, 79.6839



69.1612, 72.4877, 58.1518



61.1994, 72.4877, 78.1745

Rectangle

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



68.6342, 72.4877, 104.1400



75.0329, 72.4877, 95.2508



69.1612, 72.4877, 58.1518



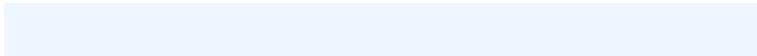
63.1058, 72.4877, 64.5832

Sweetspot

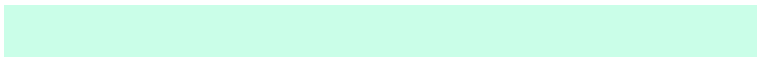
The Sweet Spot groups the original color and five complimentary colors.



68.6364, 72.4907, 104.1416



86.8026, 91.5311, 107.7000



74.4133, 89.2867, 89.9059



18.3946, 19.4006, 23.0251



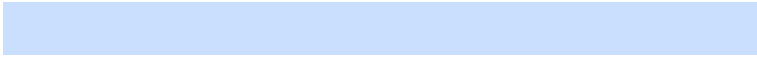
0.0000, 0.0000, 0.0000



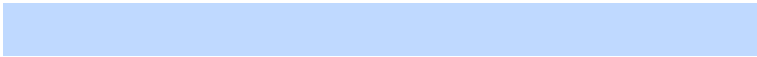
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6364, 72.4907, 104.1416



64.4112, 67.9536, 104.3293



64.5578, 62.5681, 102.4414



17.6052, 18.5821, 22.9088



12.1026, 9.1147, 50.5560



1.2822, 1.0950, 4.9571

Inverse Universe

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



75.3146, 68.6414, 79.0950



72.4495, 63.6404, 74.1098



85.4088, 95.4116, 69.7936



18.3134, 18.1087, 20.2675



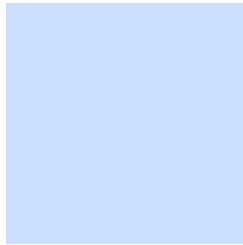
22.8970, 11.6481, 8.1081



2.2818, 1.1551, 1.0653

Previews

White Background



This preview shows how the XYZ color 68.6342, 72.4877, 104.1400 looks on a white background.

Color Contrast Check

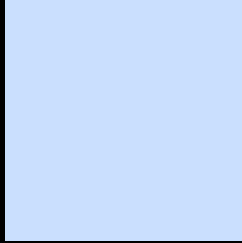
Large Text (above 18pt) WCAG AA × Fail

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 68.6342, 72.4877, 104.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

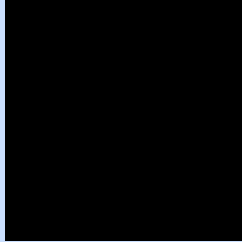
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

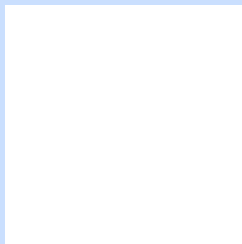
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6342, 72.4877, 104.1400

Background



This preview shows how black text looks on a background with the XYZ color 68.6342, 72.4877, 104.1400.



This preview shows how white text looks on a background with the XYZ color 68.6342, 72.4877,

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

68.6342, 72.4877, 104.1400

Protanopia

71.2211, 72.2902, 102.2951

Deuteranopia

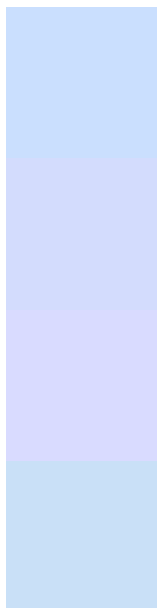
73.9699, 72.5005, 104.7031



Tritanopia

66.9223, 72.6009, 95.2802

Trichromacy



Original Color

68.6342, 72.4877, 104.1400

Protanomaly

70.1868, 72.1271, 103.1512

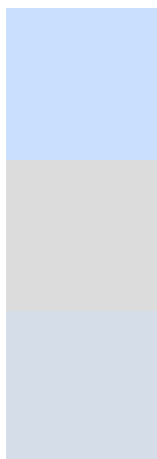
Deuteranomaly

71.9968, 72.6347, 104.8330

Tritanomaly

67.5315, 72.4442, 98.4195

Monochromacy



Original Color

68.6342, 72.4877, 104.1400

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8625, 71.6852, 86.6038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6342, 72.4877, 104.1400 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(202, 223, 254)` looks like.

```
.text, #text, p{  
    color:rgb(202, 223, 254)  
}
```

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(202, 223, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 223, 254) }
```

Border

The CSS property to change the border of an element to XYZ 68.6342, 72.4877, 104.1400 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(202, 223, 254) }
```


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

```
.border{ border-color:rgb(202, 223, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 223, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 223, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 223, 254); box-shadow:4px 4px 4px 4px rgb(202, 223, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6342, 72.4877, 104.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 223, 254) }
```

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

```
.background{ background-color: rgb(202,  
223, 254) }
```

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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