

Converting Colors

XYZ(64.8112, 67.9471, 98.4670)

Have a look what the booklet for
XYZ(64.8112, 67.9471, 98.4670)
contains.

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Color

**XYZ(64.7878, 67.8948,
98.4973)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D8F8
RGB	198, 216, 248
RGB Percent	78%, 85%, 97%
CMY	0.2235, 0.1529, 0.0274
CMYK	0.20, 0.13, 0.00, 0.03
HSL	218°, 78%, 87%
HSV	218°, 20%, 97%
XYZ	64.7878, 67.8948, 98.4973
YIQ	214.2660, -21.0000, 6.1360

Conversions

Conversions Part 2

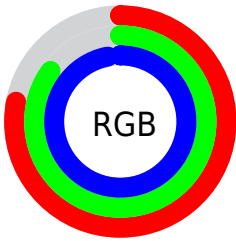
Format	Color
R _Y B	198, 211, 248
Decimal	13031672
CIE Lab	85.95, 0.58, -17.64
CIE LCh	86, 17.655, 271.883
Yxy	67.8948, 0.2802, 0.2937
Android (android.graphics.Color)	4291221752 (0xFFC6D8F8)
YUV	214.2660, 16.6309, -14.2653
Hunter-Lab	82.3983, -3.8468, -13.1953

Details

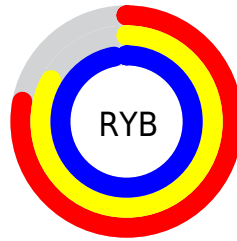
The XYZ color **64.7878, 67.8948, 98.4973** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.2018, 80.6273, 64.9212**, and the grayscale version is **63.9989, 67.3318, 73.3243**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7609, 35.2248, 54.8888** is the 20% darker color. If you saturate the color by 10%, you get **54.9071, 57.0552, 96.9269**, and if you desaturate by 10%, it is **76.1357, 80.0771, 100.2517**.

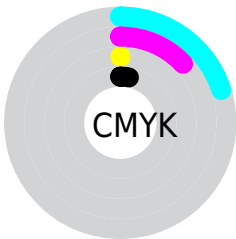
Distribution



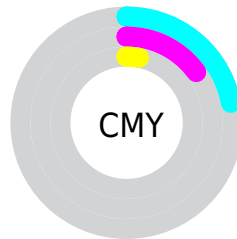
- Red (78%)
- Green (85%)
- Blue (97%)



- Red (78%)
- Yellow (83%)
- Blue (97%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7878, 67.8948, 98.4973 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 64.7878, 67.8948, 98.4973 by changing the saturation by 10% instead.

■ 64.7878, 67.8948,
98.4973

■ 64.7878, 67.8948,
98.4973

431.5863,
453.1232, 576.5695

■ 47.5531, 49.8122,
74.4363

110.8121,
116.2016, 161.1244

■ 33.6829, 35.2642,
54.6523

140.3325,
147.1946, 200.5276

■ 22.8118, 23.8664,
38.7267

174.6787,
183.2598, 245.8819

■ 14.5746, 15.2346,
26.2410

214.2163,
224.7817, 297.6059

■ 8.6057, 8.9842,
16.7766

259.3104,
272.1445, 356.1181

■ 4.5399, 4.7309,
9.9151

310.3266,

■ 2.0119, 2.0902,

325.7328, 421.8371

5.2378

367.6301,
385.9309, 495.1814

■ 0.6406, 0.6591,
2.3263

■ 0.0000, 0.0000,
0.7459

■ 64.7878, 67.8948,
98.4973

■ 64.7878, 67.8948,
98.4973

■ 54.9071, 57.0552,
96.9269

■ 76.1357, 80.0771,
100.2517

■ 46.4243, 47.5012,
95.5299

■ 89.0036, 93.6402,
102.1915

■ 39.2734, 39.1831,
94.3013

■ 93.9435, 99.5574,
103.0732

■ 33.3805, 32.0449,
93.2340

■ 28.6637, 26.0254,
92.3207

■ 25.0305, 21.0566,
91.5532

■ 22.3721, 17.0611,
90.9221

■ 20.5403, 13.9710,
90.4222

Harmonies

Analogous

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



60.9356, 67.8948, 95.3628



64.7878, 67.8948, 98.4973



68.7276, 67.8948, 94.4983

Triad

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



64.7878, 67.8948, 98.4973



71.3639, 67.8948, 62.7743



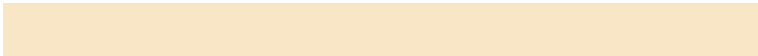
57.9126, 67.8948, 63.9176

Complementary

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



64.7878, 67.8948, 98.4973



77.2018, 80.6273, 64.9212

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.



60.5106, 67.8948, 56.5794



64.7878, 67.8948, 98.4973



68.2672, 67.8948, 55.9694

Square

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



64.7878, 67.8948, 98.4973



72.6215, 67.8948, 73.1966



64.2768, 67.8948, 53.8238



57.0667, 67.8948, 74.6600

Rectangle

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



64.7878, 67.8948, 98.4973



70.8463, 67.8948, 88.5451



64.2768, 67.8948, 53.8238



58.6045, 67.8948, 61.0115

Sweetspot

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



64.7899, 67.8976, 98.4988



86.5990, 91.1240, 107.6322



71.0936, 84.8363, 87.2471



18.3466, 19.3045, 23.0091



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.



64.7899, 67.8976, 98.4988



64.7605, 67.6901, 104.2600



62.2237, 60.0988, 97.1288



16.7945, 17.6659, 21.9100



11.2163, 7.7883, 48.8857



1.1353, 0.9142, 4.5598

Inverse Universe

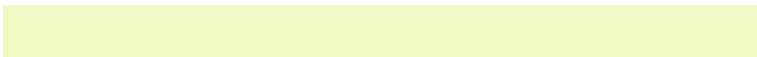
The Inverse Universe completely reimagines the original color for something new.



71.3018, 65.3041, 73.8158



72.8607, 64.7039, 73.5029



80.1512, 89.9728, 66.5696



17.5028, 17.3285, 19.2376



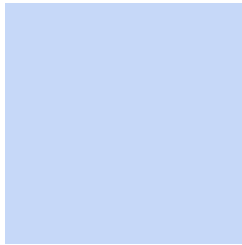
21.9535, 11.1971, 6.4637



2.0820, 1.0565, 0.8550

Previews

White Background



This preview shows how the XYZ color 64.7878, 67.8948, 98.4973 looks on a white background.

Color Contrast Check

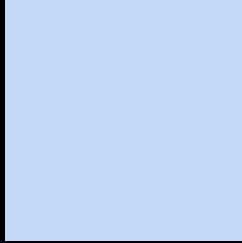
Large Text (above 18pt) WCAG AA × Fail

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 64.7878, 67.8948, 98.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

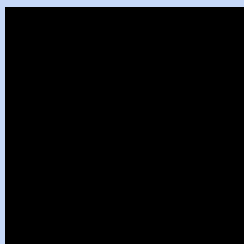
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

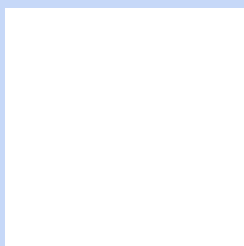
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7878, 67.8948, 98.4973

Background



This preview shows how black text looks on a background with the XYZ color 64.7878, 67.8948, 98.4973.



This preview shows how white text looks on a background with the XYZ color 64.7878, 67.8948,

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

64.7878, 67.8948, 98.4973

Protanopia

66.7233, 67.7976, 96.7583

Deuteranopia

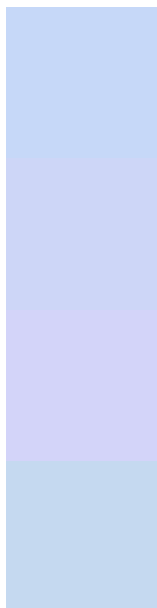
69.1128, 67.5006, 99.0088



Tritanopia

62.8318, 67.8767, 88.3872

Trichromacy



Original Color

64.7878, 67.8948, 98.4973

Protanomaly

66.0119, 67.7877, 97.6008

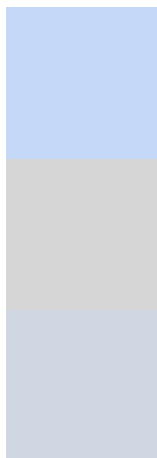
Deuteranomaly

67.5063, 67.7754, 99.1465

Tritanomaly

63.5670, 67.7873, 92.1720

Monochromacy



Original Color

64.7878, 67.8948, 98.4973

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0403, 67.5018, 81.6054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7878, 67.8948, 98.4973 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(198, 216, 248)` looks like.

```
.text, #text, p{  
    color:rgb(198, 216, 248)  
}
```

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(198, 216, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 216, 248) }
```

Border

The CSS property to change the border of an element to XYZ 64.7878, 67.8948, 98.4973 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(198, 216, 248) }
```


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

```
.border{ border-color:rgb(198, 216, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 216, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 216, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 216, 248);  
box-shadow:4px 4px 4px 4px rgb(198, 216,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7878, 67.8948, 98.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 216, 248) }
```

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

```
.background{ background-color: rgb(198,  
216, 248) }
```

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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