

Converting Colors

XYZ(63.9232, 71.0135, 98.6170)

Have a look what the booklet for
XYZ(63.9232, 71.0135, 98.6170)
contains.

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Color

**XYZ(63.9634, 71.0049,
98.3298)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BAE1F7 |
| RGB | 186, 225, 247 |
| RGB Percent | 73%, 88%, 97% |
| CMY | 0.2706, 0.1176, 0.0314 |
| CMYK | 0.25, 0.09, 0.00, 0.03 |
| HSL | 202°, 79%, 85% |
| HSV | 202°, 25%, 97% |
| XYZ | 63.9634, 71.0049, 98.3298 |
| YIQ | 215.8470, -30.3060, -1.4260 |

Conversions

Conversions Part 2

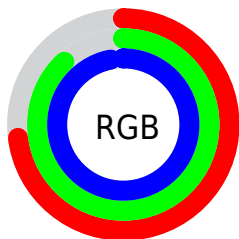
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 186, 210, 247 |
| Decimal | 12247543 |
| CIE Lab | 87.49, -7.90, -14.89 |
| CIE LCh | 87, 16.859, 242.039 |
| Yxy | 71.0049, 0.2742, 0.3044 |
| Android (android.graphics.Color) | 4290437623 (0xFFBAE1F7) |
| YUV | 215.8470, 15.3584, -26.1758 |
| Hunter-Lab | 84.2644, -11.9670, -10.2016 |

Details

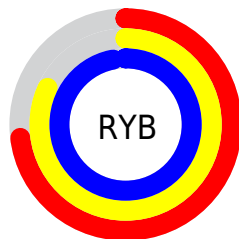
The XYZ color **63.9634, 71.0049, 98.3298** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7774, 68.4315, 55.9870**, and the grayscale version is **65.0814, 68.4707, 74.5646**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.2944, 37.4166, 54.7575** is the 20% darker color. If you saturate the color by 10%, you get **56.1285, 63.4856, 97.2925**, and if you desaturate by 10%, it is **72.9654, 79.3159, 99.4607**.

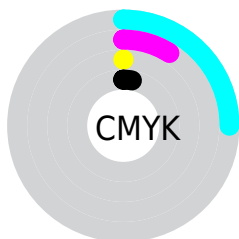
Distribution



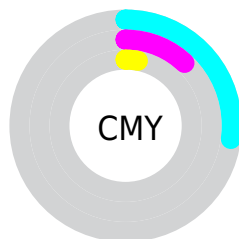
- Red (73%)
- Green (88%)
- Blue (97%)



- Red (73%)
- Yellow (82%)
- Blue (97%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (27%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9634, 71.0049, 98.3298 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 63.9634, 71.0049, 98.3298 by changing the saturation by 10% instead.

■ 63.9634, 71.0049,
98.3298

■ 63.9634, 71.0049,
98.3298

428.6618,
464.0706, 576.0253

■ 46.8826, 52.3462,
74.2973

■ 109.6323,
120.6407, 160.8919

■ 33.1504, 37.2811,
54.5392

138.9510,
152.3866, 200.2585

■ 22.4015, 25.4252,
38.6368

173.0798,
189.2637, 245.5736

■ 14.2705, 16.3941,
26.1716

212.3840,
231.6563, 297.2558

■ 8.3920, 9.8035,
16.7252

257.2289,
279.9489, 355.7235

■ 4.4007, 5.2689,
9.8789

307.9800,

■ 1.9312, 2.4059,

334.5259, 421.3953

5.2142

365.0025,
395.7717, 494.6897

■ 0.5949, 0.8289,
2.3125

■ 0.0000, 0.0000,
0.7382

■ 63.9634, 71.0049,
98.3298

■ 63.9634, 71.0049,
98.3298

■ 56.1285, 63.4856,
97.2925

■ 72.9654, 79.3159,
99.4607

■ 49.3991, 56.7180,
96.3410

■ 83.1794, 88.4393,
100.6834

■ 43.7171, 50.6713,
95.4733

■ 92.7532, 97.4245,
101.9131

■ 39.0166, 45.3083,
94.6859

■ 93.7887, 99.4955,
102.2582

■ 35.2229, 40.5877,
93.9747

■ 32.2498, 36.4619,
93.3350

■ 29.9919, 32.8733,
92.7613

■ 29.0034, 31.1449,
92.4798

Harmonies

Analogous

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



61.2070, 71.0049, 89.5309



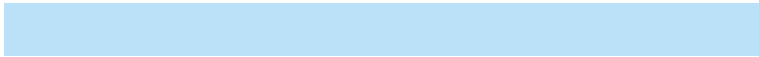
63.9634, 71.0049, 98.3298



67.7607, 71.0049, 101.3468

Triad

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



63.9634, 71.0049, 98.3298



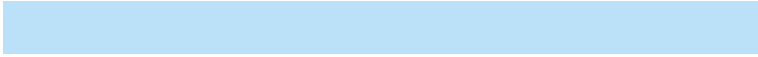
75.4278, 71.0049, 76.5350



63.5094, 71.0049, 60.1833

Complementary

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



63.9634, 71.0049, 98.3298



69.7774, 68.4315, 55.9870

Split Complementary

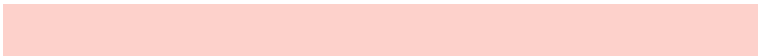
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2161, 71.0049, 57.4139



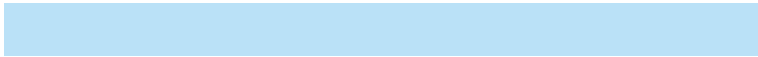
63.9634, 71.0049, 98.3298



74.1847, 71.0049, 66.2592

Square

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



63.9634, 71.0049, 98.3298



74.4751, 71.0049, 88.0495



71.1398, 71.0049, 59.5258



60.9522, 71.0049, 67.4855

Rectangle

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



63.9634, 71.0049, 98.3298



70.4004, 71.0049, 99.4572



71.1398, 71.0049, 59.5258



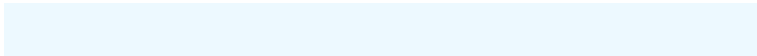
64.6571, 71.0049, 58.7257

Sweetspot

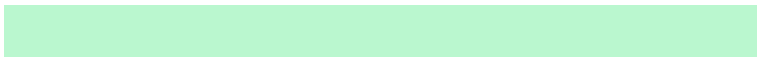
The Sweet Spot groups the original color and five complimentary colors.



63.9655, 71.0078, 98.3314



86.7659, 92.7319, 107.9337



64.8173, 81.4842, 71.5694



18.4253, 19.7188, 23.0849



0.0000, 0.0000, 0.0000



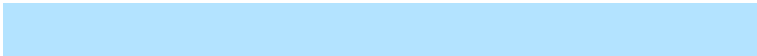
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9655, 71.0078, 98.3314



64.1072, 71.9085, 105.1087



56.5885, 56.2537, 95.8724



16.4648, 17.6939, 21.0900



15.4782, 16.7502, 48.9554



1.4576, 1.6666, 4.3351

Inverse Universe

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



69.5090, 60.3300, 79.2186



71.1823, 58.8690, 80.5833



77.7529, 84.3825, 58.6454



16.9452, 16.6609, 19.4580



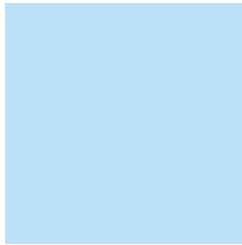
23.6172, 11.7903, 18.4904



2.1248, 1.0559, 1.8835

Previews

White Background



This preview shows how the XYZ color 63.9634, 71.0049, 98.3298 looks on a white background.

Color Contrast Check

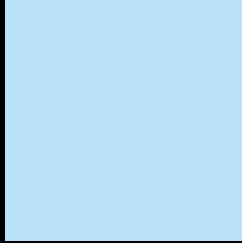
Large Text (above 18pt) WCAG AA × Fail

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 63.9634, 71.0049, 98.3298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

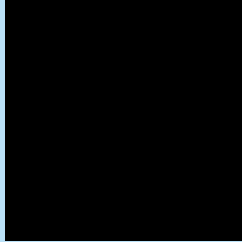
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9634, 71.0049, 98.3298

Background



This preview shows how black text looks on a background with the XYZ color 63.9634, 71.0049, 98.3298.

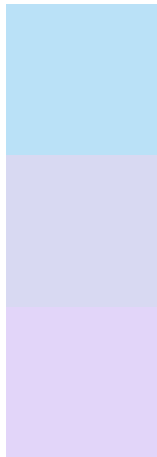


This preview shows how white text looks on a background with the XYZ color 63.9634, 71.0049,

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

63.9634, 71.0049, 98.3298

Protanopia

69.1588, 70.6354, 93.9933

Deuteranopia

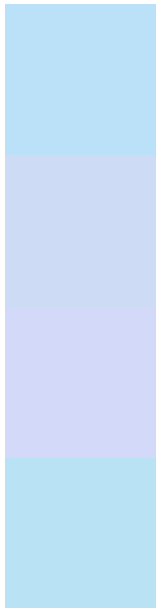
72.2572, 70.5968, 99.4407



Tritanopia

63.5331, 71.2387, 95.9898

Trichromacy



Original Color

63.9634, 71.0049, 98.3298

Protanomaly

67.0992, 70.6972, 95.6974

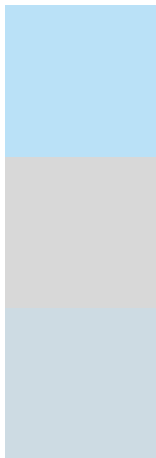
Deuteranomaly

68.6201, 70.2519, 98.7502

Tritanomaly

63.6854, 71.2996, 96.7918

Monochromacy



Original Color

63.9634, 71.0049, 98.3298

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.3735, 69.1882, 82.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9634, 71.0049, 98.3298 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(186, 225, 247)` looks like.

```
.text, #text, p{  
    color:rgb(186, 225, 247)  
}
```

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(186, 225, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 225, 247) }
```

Border

The CSS property to change the border of an element to XYZ 63.9634, 71.0049, 98.3298 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(186, 225, 247) }
```


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

```
.border{ border-color:rgb(186, 225, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 225, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 225, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 225, 247);  
box-shadow:4px 4px 4px 4px rgb(186, 225,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9634, 71.0049, 98.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 225, 247) }
```

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

```
.background{ background-color: rgb(186,  
225, 247) }
```

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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