

Converting Colors

XYZ(64.8541, 71.3352, 99.8517)

Have a look what the booklet for
XYZ(64.8541, 71.3352, 99.8517)
contains.

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Color

**XYZ(65.0104, 71.5088,
99.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE1F9
RGB	189, 225, 249
RGB Percent	74%, 88%, 98%
CMY	0.2588, 0.1176, 0.0235
CMYK	0.24, 0.10, 0.00, 0.02
HSL	204°, 83%, 86%
HSV	204°, 24%, 98%
XYZ	65.0104, 71.5088, 99.9987
YIQ	216.9720, -29.1600, -0.1680

Conversions

Conversions Part 2

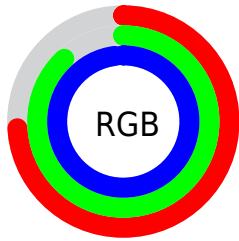
Format	Color
R _{YB}	189, 212, 249
Decimal	12444153
CIE Lab	87.73, -6.58, -15.56
CIE LCh	88, 16.892, 247.076
Yxy	71.5088, 0.2749, 0.3023
Android (android.graphics.Color)	4290634233 (0xFFBDE1F9)
YUV	216.9720, 15.7898, -24.5314
Hunter-Lab	84.5629, -10.7575, -10.9186

Details

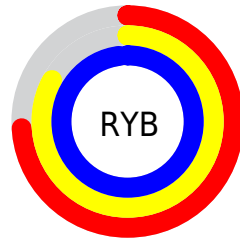
The XYZ color **65.0104, 71.5088, 99.9987** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0474, 71.4028, 58.1307**, and the grayscale version is **65.8455, 69.2746, 75.4400**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.9920, 37.7506, 55.9471** is the 20% darker color. If you saturate the color by 10%, you get **56.7422, 63.3671, 98.8642**, and if you desaturate by 10%, it is **74.5003, 80.5170, 101.2385**.

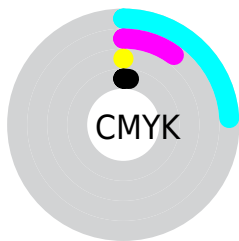
Distribution



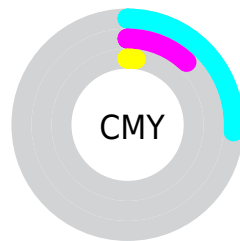
- Red (74%)
- Green (88%)
- Blue (98%)



- Red (74%)
- Yellow (83%)
- Blue (98%)



- Cyan (24%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (26%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0104, 71.5088, 99.9987 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 65.0104, 71.5088, 99.9987 by changing the saturation by 10% instead.

65.0104, 71.5088,
99.9987

65.0104, 71.5088,
99.9987

432.3740,
465.8301, 581.4351

47.7342, 52.7575,
75.6826

111.1304,
121.3579, 163.2073

33.8269, 37.6092,
55.6672

140.7050,
153.2245, 202.9368

22.9229, 25.6795,
39.5339

175.1098,
190.2317, 248.6412

14.6569, 16.5841,
26.8643

214.7101,
232.7639, 300.7390

8.6637, 9.9384,
17.2398

259.8713,
281.2054, 359.6487

4.5778, 5.3581,
10.2419

310.9588,

2.0340, 2.4589,

335.9407, 425.7890

5.4519

368.3379,
397.3541, 499.5783

■ 0.6529, 0.8559,
2.4514

■ 0.0000, 0.0000,
0.8143

■ 65.0104, 71.5088,
99.9987

■ 65.0104, 71.5088,
99.9987

■ 56.7422, 63.3671,
98.8642

■ 74.5003, 80.5170,
101.2385

■ 49.6324, 56.0500,
97.8265

■ 85.2584, 90.4142,
102.5818

■ 43.6216, 49.5246,
96.8838

■ 94.0614, 99.5442,
103.8801

■ 38.6418, 43.7517,
96.0320

■ 94.0991, 99.6196,
103.8927

■ 34.6170, 38.6879,
95.2667

■ 31.4590, 34.2833,
94.5830

■ 29.0611, 30.4783,
93.9749

■ 27.9116, 28.4646,
93.6468

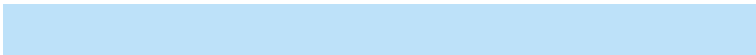
Harmonies

Analogous

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



62.0044, 71.5088, 91.9328



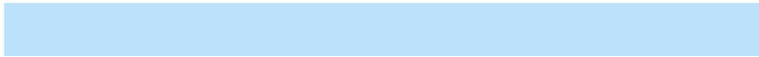
65.0104, 71.5088, 99.9987



68.9203, 71.5088, 101.8705

Triad

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



65.0104, 71.5088, 99.9987



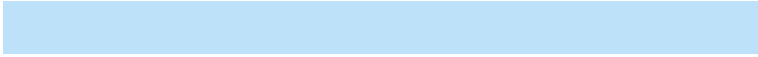
75.9017, 71.5088, 75.1749



63.4279, 71.5088, 61.5525

Complementary

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



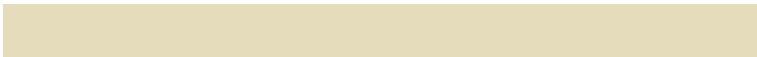
65.0104, 71.5088, 99.9987



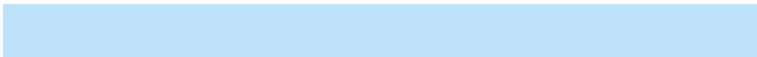
72.0474, 71.4028, 58.1307

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.



67.0225, 71.5088, 57.9555



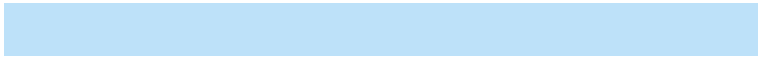
65.0104, 71.5088, 99.9987



74.3000, 71.5088, 65.3037

Square

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



65.0104, 71.5088, 99.9987



75.3115, 71.5088, 86.7742



71.0118, 71.5088, 59.2582



61.1162, 71.5088, 69.5800

Rectangle

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



65.0104, 71.5088, 99.9987



71.5339, 71.5088, 99.2028



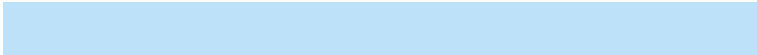
71.0118, 71.5088, 59.2582



64.5207, 71.5088, 59.8230

Sweetspot

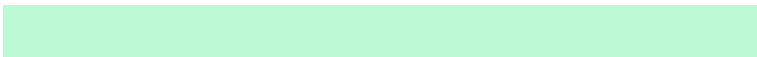
The Sweet Spot groups the original color and five complimentary colors.



65.0126, 71.5117, 100.0003



86.5497, 92.2995, 107.8617



66.7472, 83.3251, 74.8544



18.3752, 19.6185, 23.0682



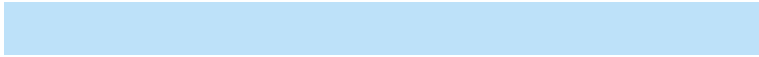
0.0000, 0.0000, 0.0000



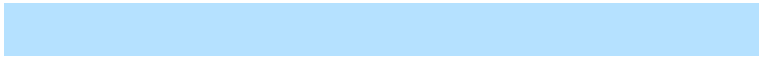
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0126, 71.5117, 100.0003



64.1575, 71.1291, 104.9556



57.8267, 57.1400, 97.6051



17.1494, 18.3756, 22.0283



15.0833, 15.5221, 50.1747



1.5007, 1.6450, 4.6816

Inverse Universe

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



70.8569, 61.9730, 79.4648



71.4224, 59.7874, 79.3127



80.0057, 87.3195, 60.7835



17.6819, 17.4001, 20.1808



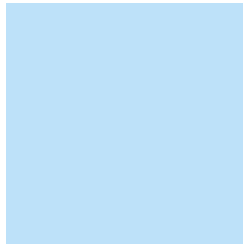
23.9054, 11.9779, 16.7420



2.2664, 1.1303, 1.8262

Previews

White Background



This preview shows how the XYZ color 65.0104, 71.5088, 99.9987 looks on a white background.

Color Contrast Check

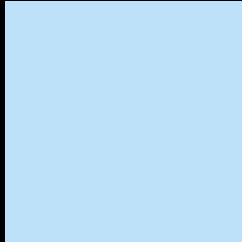
Large Text (above 18pt) WCAG AA × Fail

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 65.0104, 71.5088, 99.9987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

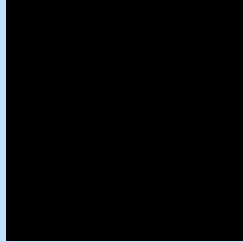
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

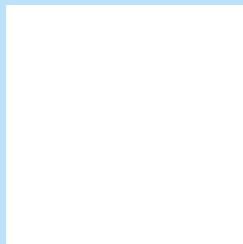
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0104, 71.5088, 99.9987

Background



This preview shows how black text looks on a background with the XYZ color 65.0104, 71.5088, 99.9987.

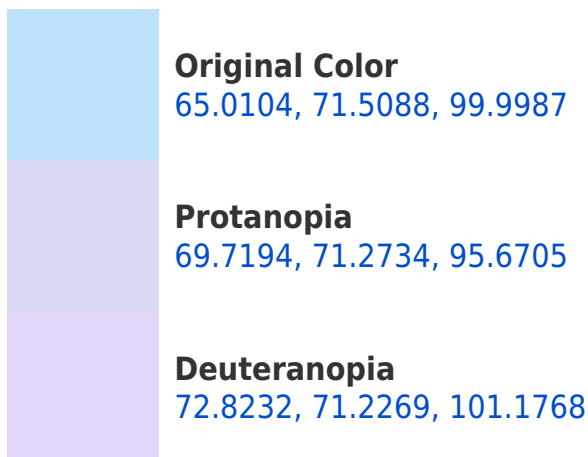


This preview shows how white text looks on a background with the XYZ color 65.0104, 71.5088,

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





Tritanopia

64.2645, 71.6157, 96.0241

Trichromacy



Original Color

65.0104, 71.5088, 99.9987

Protanomaly

67.9446, 71.4885, 97.4064

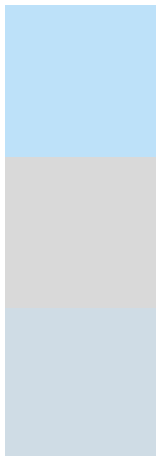
Deuteranomaly

69.7673, 71.1911, 100.5066

Tritanomaly

64.5699, 71.7379, 97.6324

Monochromacy



Original Color

65.0104, 71.5088, 99.9987

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.4682, 70.1089, 84.2106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0104, 71.5088, 99.9987 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(189, 225, 249)` looks like.

```
.text, #text, p{  
    color:rgb(189, 225, 249)  
}
```

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(189, 225, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 225, 249) }
```

Border

The CSS property to change the border of an element to XYZ 65.0104, 71.5088, 99.9987 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(189, 225, 249) }
```


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

```
.border{ border-color:rgb(189, 225, 249) }
```

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

Here you see how a box with a 4 pixel rgb(189, 225, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 225, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 225, 249);  
box-shadow:4px 4px 4px 4px rgb(189, 225,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0104, 71.5088, 99.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 225, 249) }
```

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

```
.background{ background-color: rgb(189,  
225, 249) }
```

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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