

Converting Colors

XYZ(68.5060, 78.9207,
101.2509)

Have a look what the booklet for
XYZ(68.5060, 78.9207, 101.2509)
contains.

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Color

**XYZ(68.4125, 78.6800,
101.2036)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BCEEF9 |
| RGB | 188, 238, 249 |
| RGB Percent | 74%, 93%, 98% |
| CMY | 0.2627, 0.0666, 0.0235 |
| CMYK | 0.24, 0.04, 0.00, 0.02 |
| HSL | 191°, 84%, 86% |
| HSV | 191°, 24%, 98% |
| XYZ | 68.4125, 78.6800, 101.2036 |
| YIQ | 224.3040, -33.3310, -7.1790 |

Conversions

Conversions Part 2

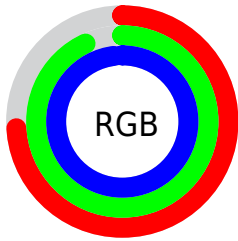
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 188, 215, 249 |
| Decimal | 12381945 |
| CIE _{Lab} | 91.09, -13.50, -10.55 |
| CIE _{LCh} | 91, 17.129, 218.001 |
| Yxy | 78.6800, 0.2755, 0.3169 |
| Android (android.graphics.Color) | 4290572025 (0xFFBCEE9) |
| YUV | 224.3040, 12.1751, -31.8386 |
| Hunter-Lab | 88.7017, -17.5574, -5.5553 |

Details

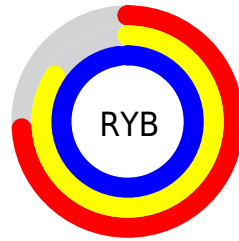
The XYZ color **68.4125, 78.6800, 101.2036** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5684, 64.6179, 56.4373**, and the grayscale version is **71.0035, 74.7013, 81.3497**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **36.0265, 42.2927, 56.7166** is the 20% darker color. If you saturate the color by 10%, you get **61.5096, 73.2072, 100.5124**, and if you desaturate by 10%, it is **76.4110, 84.7699, 101.9588**.

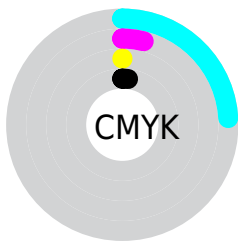
Distribution



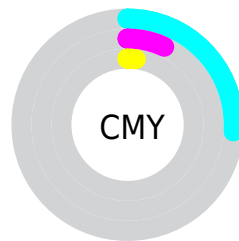
- Red (74%)
- Green (93%)
- Blue (98%)



- Red (74%)
- Yellow (84%)
- Blue (98%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (26%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4125, 78.6800, 101.2036 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 68.4125, 78.6800, 101.2036 by changing the saturation by 10% instead.

68.4125, 78.6800,
101.2036

68.4125, 78.6800,
101.2036

444.3100,
490.4731, 585.3243

50.5083, 58.6327,
76.6836

115.9807,
131.5083, 164.8765

36.0369, 42.3176,
56.4832

146.3755,
165.0581, 204.8665

24.6329, 29.3500,
40.1839

181.6644,
203.8775, 250.8503

15.9311, 19.3458,
27.3671

222.2130,
248.3510, 303.2463

9.5659, 11.9204,
17.6142

268.3864,
298.8629, 362.4732

5.1722, 6.6895,
10.5068

320.5502,

2.3844, 3.2687,

355.7976, 428.9495

5.6263

379.0696,
419.5396, 503.0936

■ 0.8373, 1.2736,
2.5541

■ 0.0000, 0.1206,
0.8686

■ 68.4125, 78.6800,
101.2036

■ 68.4125, 78.6800,
101.2036

■ 61.5096, 73.2072,
100.5124

■ 76.4110, 84.7699,
101.9588

■ 55.6406, 68.3135,
99.8771

■ 85.5486, 91.4938,
102.7750

■ 50.7485, 63.9711,
99.2968

■ 92.9839, 97.3892,
103.5211

■ 46.7677, 60.1458,
98.7682

■ 94.0991, 99.6197,
103.8928

■ 43.6243, 56.7992,
98.2880

■ 41.2325, 53.8866,
97.8518

■ 39.4871, 51.3535,
97.4549

■ 38.7183, 50.0781,
97.2492

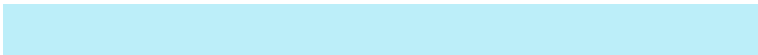
Harmonies

Analogous

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



66.8378, 78.6800, 89.0311



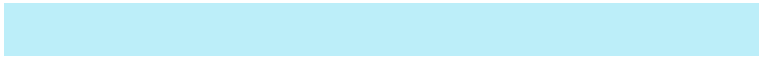
68.4125, 78.6800, 101.2036



71.7075, 78.6800, 109.7329

Triad

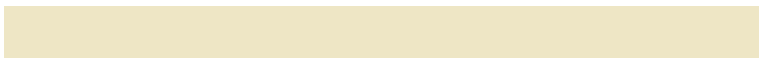
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4125, 78.6800, 101.2036



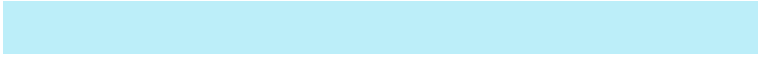
82.7710, 78.6800, 94.9146



73.6301, 78.6800, 64.1605

Complementary

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



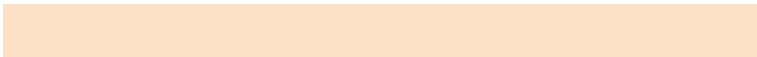
68.4125, 78.6800, 101.2036



68.5684, 64.6179, 56.4373

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.



77.9451, 78.6800, 65.4087



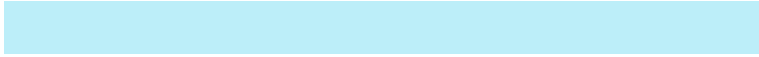
68.4125, 78.6800, 101.2036



83.3341, 78.6800, 82.3929

Square

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



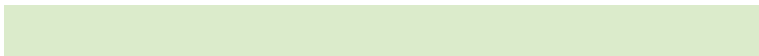
68.4125, 78.6800, 101.2036



80.0268, 78.6800, 105.8648



81.5371, 78.6800, 71.8117



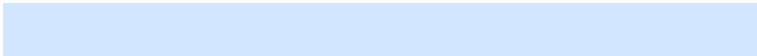
69.7734, 78.6800, 68.2206

Rectangle

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



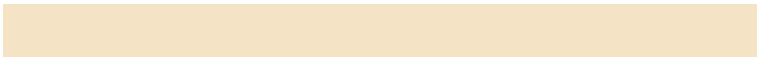
68.4125, 78.6800, 101.2036



74.4930, 78.6800, 111.7758



81.5371, 78.6800, 71.8117



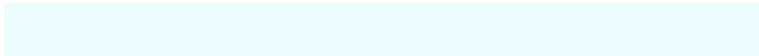
75.0737, 78.6800, 63.9812

Sweetspot

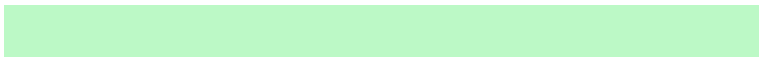
The Sweet Spot groups the original color and five complimentary colors.



68.4148, 78.6832, 101.2054



87.7671, 94.7343, 108.2675



64.8286, 82.5292, 66.0416



18.6575, 20.1833, 23.1624



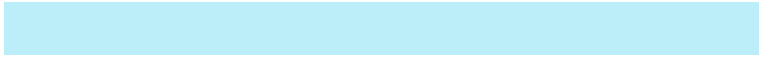
0.0000, 0.0000, 0.0000



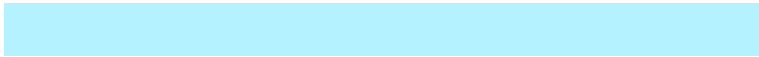
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4148, 78.6832, 101.2054



68.7712, 80.3566, 106.4935



60.4768, 62.8072, 98.5594



17.4841, 19.0450, 22.1398



20.8210, 26.9976, 52.0872



1.9954, 2.6346, 4.8465

Inverse Universe

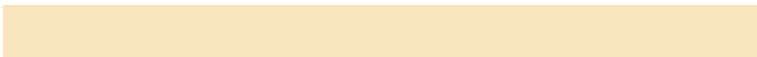
The Inverse Universe completely reimagines the original color for something new.



72.4847, 62.2811, 89.0936



73.7512, 60.7190, 91.5761



76.0727, 79.6265, 58.9387



17.8509, 17.4677, 21.0705



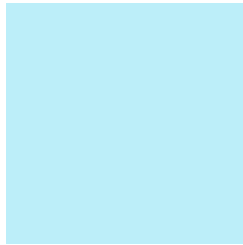
26.8015, 13.1363, 31.9928



2.5161, 1.2302, 3.1413

Previews

White Background



This preview shows how the XYZ color 68.4125, 78.6800, 101.2036 looks on a white background.

Color Contrast Check

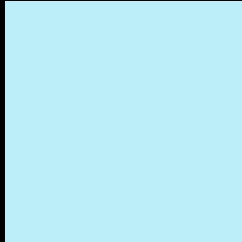
Large Text (above 18pt) WCAG AA × Fail

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 68.4125, 78.6800, 101.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

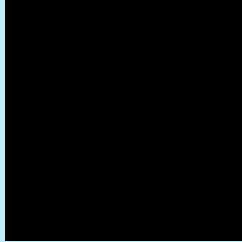
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4125, 78.6800, 101.2036

Background



This preview shows how black text looks on a background with the XYZ color 68.4125, 78.6800, 101.2036.

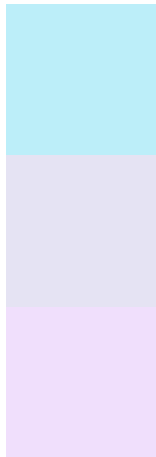


This preview shows how white text looks on a background with the XYZ color 68.4125, 78.6800,

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

68.4125, 78.6800, 101.2036

Protanopia

75.9598, 78.0672, 95.8590

Deuteranopia

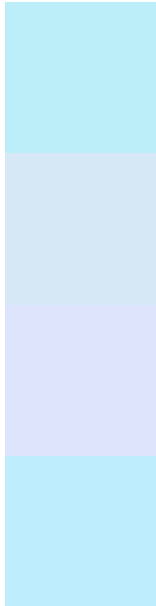
79.8935, 78.3289, 103.0036



Tritanopia

69.8200, 78.8647, 106.1503

Trichromacy



Original Color

68.4125, 78.6800, 101.2036

Protanomaly

72.7889, 78.0405, 97.6131

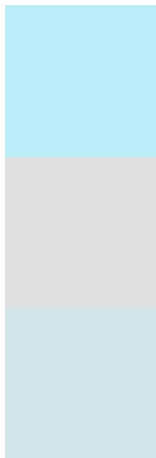
Deuteranomaly

74.9748, 77.8240, 102.3367

Tritanomaly

69.2490, 78.6074, 104.4514

Monochromacy



Original Color

68.4125, 78.6800, 101.2036

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.5913, 75.7707, 88.0482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4125, 78.6800, 101.2036 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(188, 238, 249)` looks like.

```
.text, #text, p{  
    color:rgb(188, 238, 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(188, 238, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 238, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.4125, 78.6800, 101.2036 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(188, 238, 249) }
```


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

```
.border{ border-color:rgb(188, 238, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 238, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 238, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 238, 249);  
box-shadow:4px 4px 4px 4px rgb(188, 238,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4125, 78.6800, 101.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 238, 249) }
```

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

```
.background{ background-color: rgb(188,  
238, 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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