

Converting Colors

XYZ(68.0218, 80.6583,
100.9669)

Have a look what the booklet for
XYZ(68.0218, 80.6583, 100.9669)
contains.

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Color

**XYZ(68.0499, 80.7023,
100.7974)**

Conversions

Conversions Part 1

Format	Color
Hex	B5F3F8
RGB	181, 243, 248
RGB Percent	71%, 95%, 97%
CMY	0.2902, 0.0470, 0.0274
CMYK	0.27, 0.02, 0.00, 0.03
HSL	184°, 83%, 84%
HSV	184°, 27%, 97%
XYZ	68.0499, 80.7023, 100.7974
YIQ	225.0320, -38.5570, -11.5890

Conversions

Conversions Part 2

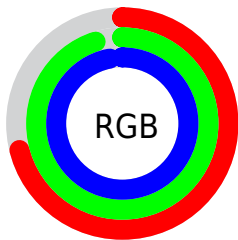
Format	Color
R _Y B	181, 213, 248
Decimal	11924472
CIE Lab	92.00, -18.21, -8.72
CIE LCh	92, 20.191, 205.575
Yxy	80.7023, 0.2727, 0.3234
Android (android.graphics.Color)	4290114552 (0xFFB5F3F8)
YUV	225.0320, 11.3232, -38.6161
Hunter-Lab	89.8345, -21.9960, -3.6413

Details

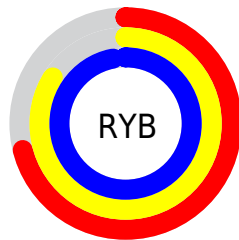
The XYZ color **68.0499, 80.7023, 100.7974** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6116, 58.4108, 51.5866**, and the grayscale version is **71.5340, 75.2593, 81.9574**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **35.8889, 43.7820, 56.4284** is the 20% darker color. If you saturate the color by 10%, you get **62.1943, 76.8680, 100.3673**, and if you desaturate by 10%, it is **74.9509, 85.0878, 101.2815**.

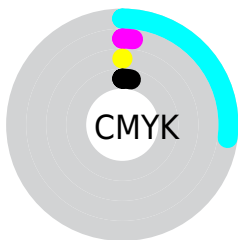
Distribution



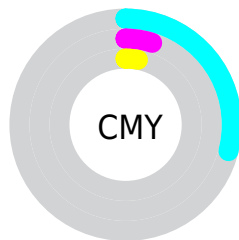
- Red (71%)
- Green (95%)
- Blue (97%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (29%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0499, 80.7023, 100.7974 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 68.0499, 80.7023, 100.7974 by changing the saturation by 10% instead.

68.0499, 80.7023,
100.7974

68.0499, 80.7023,
100.7974

443.0467,
497.2965, 584.0147

50.2122, 60.2964,
76.3461

115.4650,
134.3527, 164.3140

35.8005, 43.6576,
56.2080

145.7732,
168.3660, 204.2163

24.4495, 30.4014,
39.9646

180.9688,
207.6839, 250.1060

15.7940, 20.1435,
27.1973

221.4172,
252.6908, 302.4017

9.4684, 12.4994,
17.4877

267.4839,
303.7712, 361.5219

5.1075, 7.0847,
10.4172

319.5341,

2.3459, 3.5152,

361.3093, 427.8851

5.5673

377.9333,
425.6896, 501.9098

■ 0.8180, 1.4062,
2.5193

■ 0.0000, 0.2213,
0.8503

■ 68.0499, 80.7023,
100.7974

■ 68.0499, 80.7023,
100.7974

■ 62.1943, 76.8680,
100.3673

■ 74.9509, 85.0878,
101.2815

■ 57.3221, 73.5470,
99.9830

■ 82.9409, 90.0410,
101.8165

■ 53.3756, 70.7113,
99.6437

■ 91.9214, 95.5132,
102.3994

■ 50.2882, 68.3268,
99.3462

■ 92.4946, 96.6595,
102.5904

47.9846, 66.3545,
99.0869

93.0734, 97.8172,
102.7834

46.3759, 64.7486,
98.8617

93.6579, 98.9861,
102.9782

45.3490, 63.4507,
98.6653

93.9435, 99.5574,
103.0734

45.1029, 63.0961,
98.6098

Harmonies

Analogous

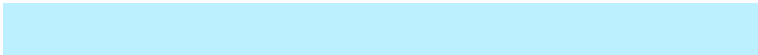
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.1782, 80.7023, 85.6842



68.0499, 80.7023, 100.7974



71.2000, 80.7023, 113.6211

Triad

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



68.0499, 80.7023, 100.7974



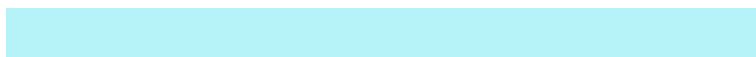
85.2360, 80.7023, 105.0412



77.4777, 80.7023, 62.3421

Complementary

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



68.0499, 80.7023, 100.7974



64.6116, 58.4108, 51.5866

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.



82.4870, 80.7023, 66.3389



68.0499, 80.7023, 100.7974



87.0927, 80.7023, 90.0948

Square

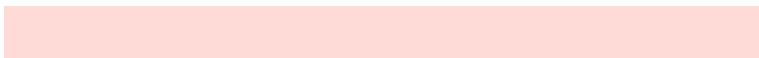
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0499, 80.7023, 100.7974



81.0950, 80.7023, 116.2586



86.0648, 80.7023, 76.1000



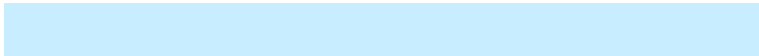
72.4766, 80.7023, 64.5272

Rectangle

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



68.0499, 80.7023, 100.7974



74.2456, 80.7023, 118.5630



86.0648, 80.7023, 76.1000



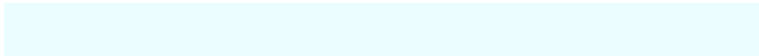
79.2184, 80.7023, 62.9934

Sweetspot

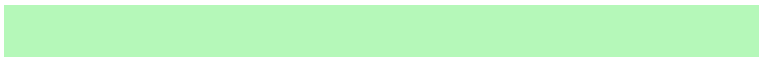
The Sweet Spot groups the original color and five complimentary colors.



68.0523, 80.7056, 100.7992



87.4556, 95.3672, 108.4061



61.4312, 80.4825, 58.4561



18.4321, 20.2358, 23.1844



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.



68.0523, 80.7056, 100.7992



69.2213, 83.8482, 107.1437



59.0557, 62.7123, 97.8004



17.6485, 19.3739, 22.1947



24.4101, 34.1759, 53.2836



2.2929, 3.2294, 4.9457

Inverse Universe

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



71.4148, 59.4770, 92.5140



73.3459, 58.1350, 96.9078



72.3761, 73.9398, 54.1748



17.9339, 17.5009, 21.5076



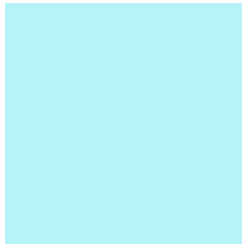
28.6131, 13.8610, 41.5327



2.6663, 1.2902, 3.9319

Previews

White Background



This preview shows how the XYZ color 68.0499, 80.7023, 100.7974 looks on a white background.

Color Contrast Check

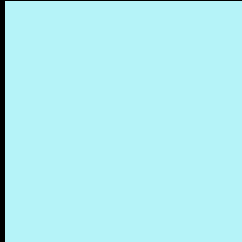
Large Text (above 18pt) WCAG AA × Fail

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 68.0499, 80.7023, 100.7974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

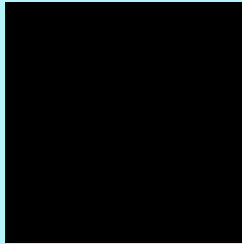
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0499, 80.7023, 100.7974

Background



This preview shows how black text looks on a background with the XYZ color 68.0499, 80.7023, 100.7974.



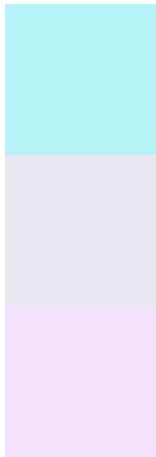
This preview shows how white text looks on a background with the XYZ color 68.0499, 80.7023,

100.7974.

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

68.0499, 80.7023, 100.7974

Protanopia

77.6293, 80.2085, 93.8284

Deuteranopia

81.8041, 80.1118, 103.2470



Tritanopia

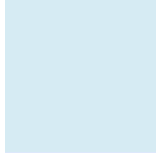
71.1646, 80.4223, 106.3800

Trichromacy



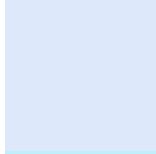
Original Color

68.0499, 80.7023, 100.7974



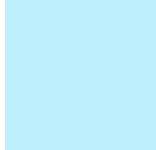
Protanomaly

73.6175, 80.1839, 96.3910



Deuteranomaly

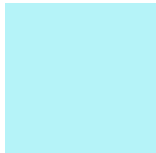
76.0880, 80.0504, 102.7078



Tritanomaly

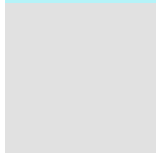
69.7170, 80.1673, 103.8948

Monochromacy



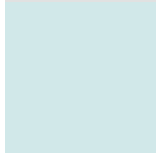
Original Color

68.0499, 80.7023, 100.7974



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.8591, 77.1517, 88.3006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0499, 80.7023, 100.7974 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(181, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(181, 243, 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(181, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 243, 248) }
```

Border

The CSS property to change the border of an element to XYZ 68.0499, 80.7023, 100.7974 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(181, 243, 248) }
```


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

```
.border{ border-color:rgb(181, 243, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 243, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(181, 243,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0499, 80.7023, 100.7974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 243, 248) }
```

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

```
.background{ background-color: rgb(181,  
243, 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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