

Converting Colors

XYZ(68.2718, 78.8958,
102.6475)

Have a look what the booklet for
XYZ(68.2718, 78.8958, 102.6475)
contains.

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Color

**XYZ(68.2867, 79.0123,
102.9186)**

Conversions

Conversions Part 1

Format	Color
Hex	B9EFFB
RGB	185, 239, 251
RGB Percent	73%, 94%, 98%
CMY	0.2745, 0.0627, 0.0157
CMYK	0.26, 0.05, 0.00, 0.02
HSL	191°, 89%, 85%
HSV	191°, 26%, 98%
XYZ	68.2867, 79.0123, 102.9186
YIQ	224.2220, -36.0360, -7.7160

Conversions

Conversions Part 2

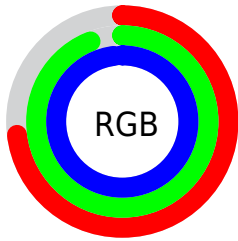
Format	Color
R _Y B	185, 215, 251
Decimal	12185595
CIE Lab	91.24, -14.42, -11.38
CIE LCh	91, 18.373, 218.284
Yxy	79.0123, 0.2729, 0.3158
Android (android.graphics.Color)	4290375675 (0xFFB9E ^{FF} B)
YUV	224.2220, 13.2016, -34.3977
Hunter-Lab	88.8889, -18.4272, -6.4258

Details

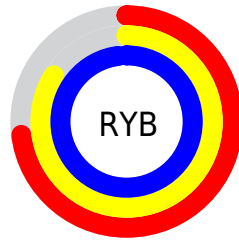
The XYZ color **68.2867, 79.0123, 102.9186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5079, 63.9452, 54.6327**, and the grayscale version is **70.9392, 74.6335, 81.2759**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **35.8770, 42.5078, 57.3529** is the 20% darker color. If you saturate the color by 10%, you get **61.4395, 73.5263, 102.2219**, and if you desaturate by 10%, it is **76.2413, 85.1232, 103.6802**.

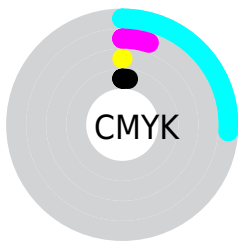
Distribution



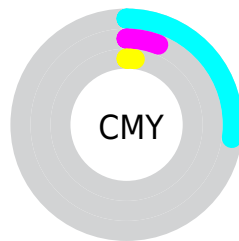
- Red (73%)
- Green (94%)
- Blue (98%)



- Red (73%)
- Yellow (84%)
- Blue (98%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (27%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2867, 79.0123, 102.9186 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 68.2867, 79.0123, 102.9186 by changing the saturation by 10% instead.

68.2867, 79.0123,
102.9186

68.2867, 79.0123,
102.9186

443.8720,
491.5980, 590.8364

50.4055, 58.9059,
78.1098

115.8019,
131.9762, 167.2490

35.9549, 42.5374,
57.6472

146.1666,
165.6025, 207.6077

24.5693, 29.5223,
41.1123

181.4231,
204.5042, 253.9867

15.8835, 19.4763,
28.0864

221.9370,
249.0657, 306.8047

9.5320, 12.0149,
18.1512

268.0734,
299.6715, 366.4801

5.1497, 6.7539,
10.8880

320.1978,

2.3710, 3.3086,

356.7058, 433.4315

5.8784

378.6756,
420.5532, 508.0774

■ 0.8306, 1.2949,
2.7037

■ 0.0000, 0.1373,
0.9453

■ 68.2867, 79.0123,
102.9186

■ 68.2867, 79.0123,
102.9186

■ 61.4395, 73.5263,
102.2219

■ 76.2413, 85.1232,
103.6802

■ 55.6360, 68.6261,
101.5819

■ 85.3484, 91.8767,
104.5037

■ 50.8172, 64.2828,
100.9976

■ 93.6811, 98.2817,
105.3009

■ 46.9147, 60.4609,
100.4656

■ 94.4128, 99.7451,
105.5448

■ 43.8513, 57.1201,
99.9822

■ 41.5366, 54.2135,
99.5432

■ 39.8580, 51.6827,
99.1431

■ 39.3339, 50.8073,
99.0018

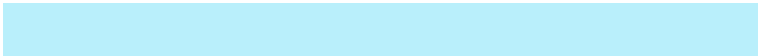
Harmonies

Analogous

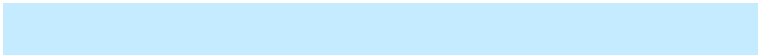
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5813, 79.0123, 89.7792



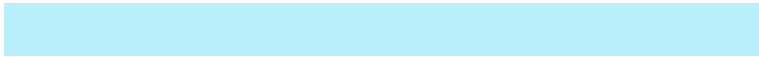
68.2867, 79.0123, 102.9186



71.8339, 79.0123, 112.1242

Triad

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



68.2867, 79.0123, 102.9186



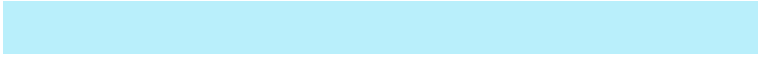
83.7292, 79.0123, 95.8734



73.8160, 79.0123, 63.0661

Complementary

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



68.2867, 79.0123, 102.9186



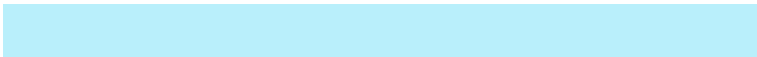
68.5079, 63.9452, 54.6327

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.



78.4612, 79.0123, 64.3367



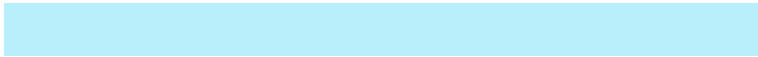
68.2867, 79.0123, 102.9186



84.3134, 79.0123, 82.3885

Square

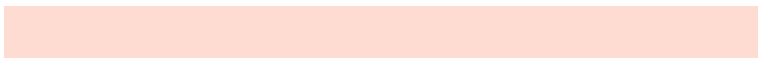
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



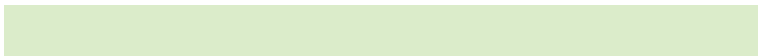
68.2867, 79.0123, 102.9186



80.7847, 79.0123, 107.7729



82.3496, 79.0123, 71.0998



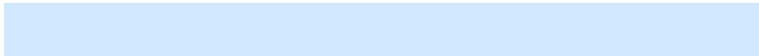
69.6862, 79.0123, 67.4294

Rectangle

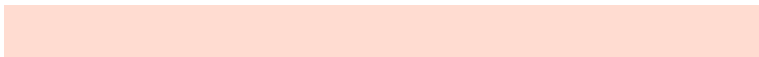
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



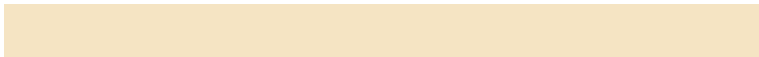
68.2867, 79.0123, 102.9186



74.8310, 79.0123, 114.2961



82.3496, 79.0123, 71.0998



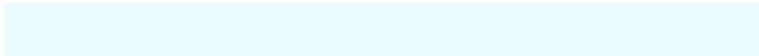
75.3673, 79.0123, 62.8581

Sweetspot

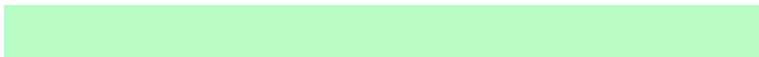
The Sweet Spot groups the original color and five complimentary colors.



68.2891, 79.0155, 102.9204



86.7674, 93.9909, 108.1767



64.4702, 83.2957, 64.9061



18.2576, 19.8867, 23.1262



0.0000, 0.0000, 0.0000



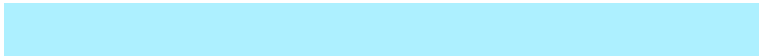
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2891, 79.0155, 102.9204



66.5814, 78.5684, 106.2637



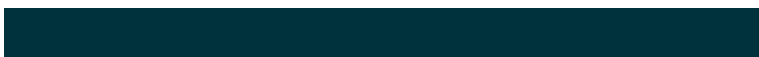
59.7347, 61.9068, 100.0690



17.4818, 19.0404, 22.1391



20.7742, 26.9040, 52.0716



1.9915, 2.6267, 4.8452

Inverse Universe

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



72.7146, 61.4411, 89.6917



72.0134, 57.6020, 89.8909



76.5615, 80.0523, 57.3172



17.8497, 17.4672, 21.0643



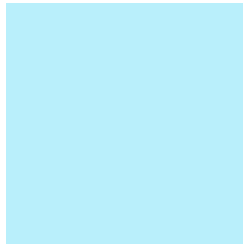
26.7779, 13.1269, 31.8685



2.5141, 1.2294, 3.1309

Previews

White Background



This preview shows how the XYZ color 68.2867, 79.0123, 102.9186 looks on a white background.

Color Contrast Check

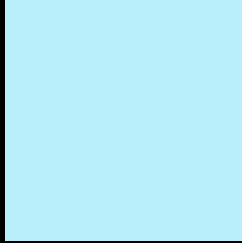
Large Text (above 18pt) WCAG AA × Fail

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 68.2867, 79.0123, 102.9186 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 68.2867, 79.0123, 102.9186

Background



This preview shows how black text looks on a background with the XYZ color 68.2867, 79.0123, 102.9186.

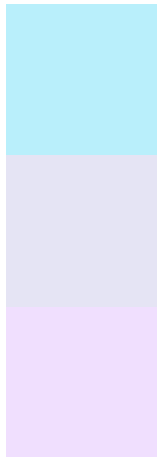


This preview shows how white text looks on a background with the XYZ color 68.2867, 79.0123,

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

68.2867, 79.0123, 102.9186

Protanopia

76.3856, 78.6765, 96.7481

Deuteranopia

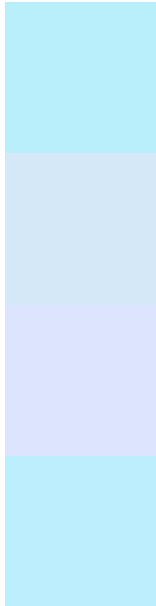
80.2122, 78.4564, 104.6819



Tritanopia

69.5694, 78.7355, 106.1385

Trichromacy



Original Color

68.2867, 79.0123, 102.9186

Protanomaly

73.0857, 78.5748, 99.3101

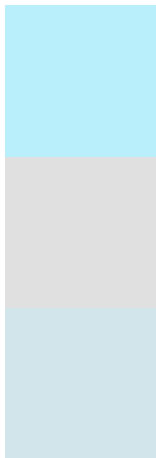
Deuteranomaly

75.2641, 78.3461, 104.0840

Tritanomaly

69.2030, 78.9962, 105.3663

Monochromacy



Original Color

68.2867, 79.0123, 102.9186

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.4489, 75.6808, 88.7894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2867, 79.0123, 102.9186 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(185, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(185, 239, 251)  
}
```

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(185, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 239, 251) }
```

Border

The CSS property to change the border of an element to XYZ 68.2867, 79.0123, 102.9186 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(185, 239, 251) }
```


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

```
.border{ border-color:rgb(185, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(185, 239,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2867, 79.0123, 102.9186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 239, 251) }
```

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

```
.background{ background-color: rgb(185,  
239, 251) }
```

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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