

Converting Colors

XYZ(68.8357, 79.0741,
106.8558)

Have a look what the booklet for
XYZ(68.8357, 79.0741, 106.8558)
contains.

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Color

**XYZ(68.9241, 79.2673,
106.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	B9EFFF
RGB	185, 239, 255
RGB Percent	73%, 94%, 100%
CMY	0.2745, 0.0627, 0.0000
CMYK	0.27, 0.06, 0.00, 0.00
HSL	194°, 100%, 86%
HSV	194°, 27%, 100%
XYZ	68.9241, 79.2673, 106.2752
YIQ	224.6780, -37.3200, -6.4720

Conversions

Conversions Part 2

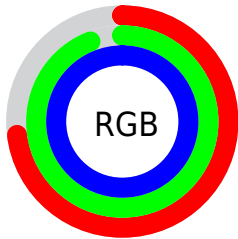
Format	Color
RYB	185, 215, 255
Decimal	12185599
CIELab	91.36, -13.53, -13.30
CIElCh	91, 18.969, 224.500
Yxy	79.2673, 0.2709, 0.3115
Android (android.graphics.Color)	4290375679 (0xFFB9EFFF)
YUV	224.6780, 14.9487, -34.7976
Hunter-Lab	89.0322, -17.6209, -8.4503

Details

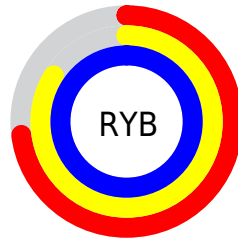
The XYZ color **68.9241, 79.2673, 106.2752** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8837, 66.5356, 55.0075**, and the grayscale version is **71.2540, 74.9648, 81.6367**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **36.3324, 42.6900, 59.7512** is the 20% darker color. If you saturate the color by 10%, you get **61.6373, 73.0208, 105.4535**, and if you desaturate by 10%, it is **77.3734, 86.1987, 107.1677**.

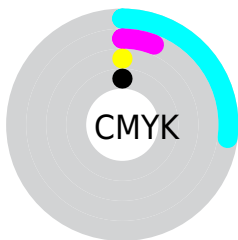
Distribution



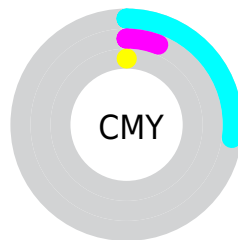
- Red (73%)
- Green (94%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9241, 79.2673, 106.2752 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 68.9241, 79.2673, 106.2752 by changing the saturation by 10% instead.

68.9241, 79.2673,
106.2752

68.9241, 79.2673,
106.2752

446.0888,
492.4601, 601.5473

50.9263, 59.1156,
80.9055

116.7078,
132.3351, 171.8812

36.3708, 42.7062,
59.9332

147.2245,
166.0200, 212.9545

24.8921, 29.6547,
42.9399

182.6448,
204.9847, 260.0994

16.1250, 19.5766,
29.5069

223.3341,
249.6137, 313.7345

9.7041, 12.0877,
19.2157

269.6578,
300.2914, 374.2783

5.2639, 6.8034,
11.6479

321.9813,

2.4393, 3.3395,

357.4021, 442.1494

6.3848

380.6698,
421.3302, 517.7662

■ 0.8647, 1.3114,
3.0079

■ 0.0000, 0.1500,
1.0987

■ 68.9241, 79.2673,
106.2752

■ 68.9241, 79.2673,
106.2752

■ 61.6373, 73.0208,
105.4535

■ 77.3734, 86.1987,
107.1677

■ 55.4470, 67.4185,
104.6985

■ 87.0339, 93.8349,
108.1325

■ 50.2905, 62.4293,
104.0072

95.0500, 100.0000,
108.9000

■ 46.0956, 58.0152,
103.3763

■ 42.7804, 54.1331,
102.8017

■ 40.2485, 50.7326,
102.2788

■ 38.3745, 47.7482,
101.8015

■ 37.9546, 47.0292,
101.6849

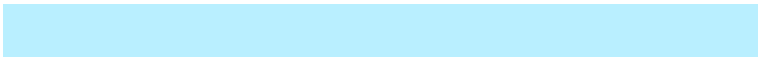
Harmonies

Analogous

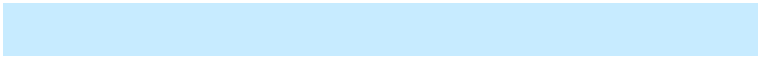
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.7224, 79.2673, 93.1244



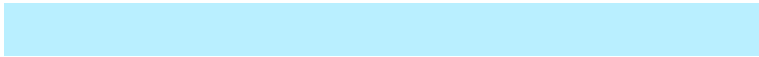
68.9241, 79.2673, 106.2752



72.8922, 79.2673, 114.4868

Triad

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



68.9241, 79.2673, 106.2752



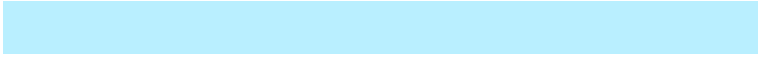
84.6268, 79.2673, 93.5957



73.0451, 79.2673, 63.0834

Complementary

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



68.9241, 79.2673, 106.2752



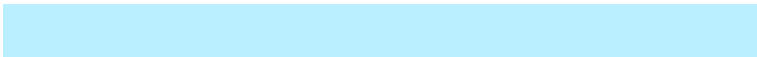
70.8837, 66.5356, 55.0075

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.



77.8444, 79.2673, 63.1807



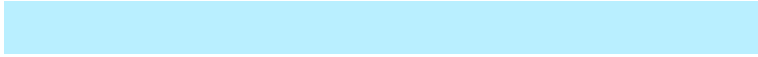
68.9241, 79.2673, 106.2752



84.6720, 79.2673, 79.8337

Square

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



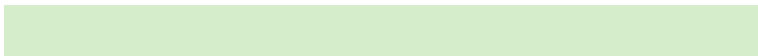
68.9241, 79.2673, 106.2752



82.0237, 79.2673, 106.6517



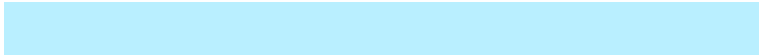
82.1447, 79.2673, 69.0139



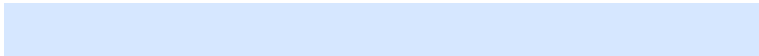
69.0319, 79.2673, 68.7323

Rectangle

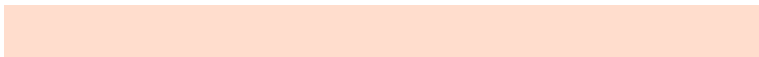
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



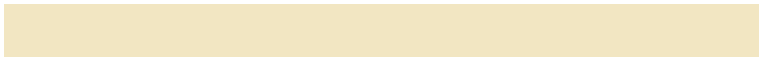
68.9241, 79.2673, 106.2752



76.0705, 79.2673, 115.5564



82.1447, 79.2673, 69.0139



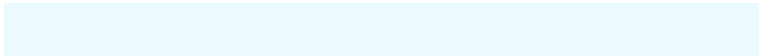
74.6166, 79.2673, 62.4660

Sweetspot

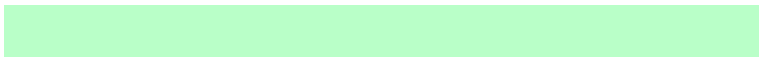
The Sweet Spot groups the original color and five complimentary colors.



68.9262, 79.2704, 106.2757



86.4698, 93.3958, 108.0775



66.2135, 86.0127, 67.8597



18.1822, 19.7360, 23.1011



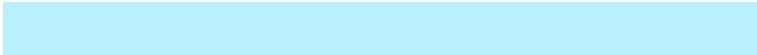
0.0000, 0.0000, 0.0000



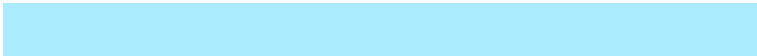
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9262, 79.2704, 106.2757



64.7413, 75.7198, 105.8109



59.8504, 61.1188, 103.2504



18.1822, 19.7360, 23.1011



19.9504, 24.8103, 53.1720



2.0243, 2.5792, 5.2044

Inverse Universe

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



74.1703, 62.1916, 89.7599



70.8816, 56.3720, 86.3270



79.7536, 84.2756, 57.9641



18.6046, 18.2252, 21.8010



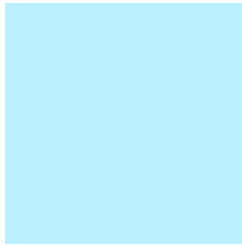
26.8582, 13.2326, 28.9675



2.6564, 1.3049, 3.0378

Previews

White Background



This preview shows how the XYZ color 68.9241, 79.2673, 106.2752 looks on a white background.

Color Contrast Check

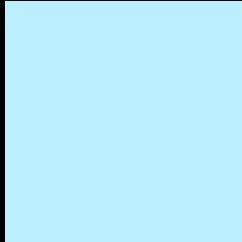
Large Text (above 18pt) WCAG AA × Fail

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 68.9241, 79.2673, 106.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

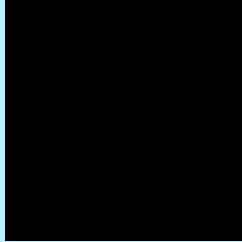
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9241, 79.2673, 106.2752

Background



This preview shows how black text looks on a background with the XYZ color 68.9241, 79.2673, 106.2752.

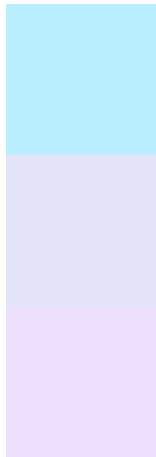


This preview shows how white text looks on a background with the XYZ color 68.9241, 79.2673,

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

68.9241, 79.2673, 106.2752

Protanopia

76.6816, 78.7581, 99.9672

Deuteranopia

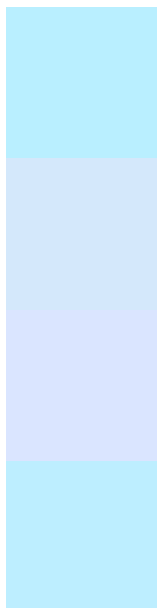
79.6307, 78.5358, 105.5697



Tritanopia

70.1104, 79.4454, 106.2470

Trichromacy



Original Color

68.9241, 79.2673, 106.2752

Protanomaly

73.4206, 78.6753, 102.5830

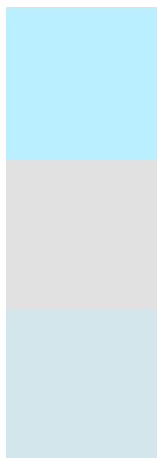
Deuteranomaly

74.9828, 78.1640, 105.7429

Tritanomaly

69.6108, 79.1879, 106.2237

Monochromacy



Original Color

68.9241, 79.2673, 106.2752

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.0155, 76.3514, 90.4040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9241, 79.2673, 106.2752 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 239, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.9241, 79.2673, 106.2752 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, 255) }
```


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

```
.border{ border-color:rgb(185, 239, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9241, 79.2673, 106.2752 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, 255) }
```

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

```
.background{ background-color: rgb(185,  
239, 255) }
```

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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