

Converting Colors

XYZ(67.9725, 79.6392,
106.3971)

Have a look what the booklet for
XYZ(67.9725, 79.6392, 106.3971)
contains.

XYZ(68.0957, 79.7143, 106.4051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.0957, 79.7143,
106.4051)**

Conversions

Conversions Part 1

Format	Color
Hex	B3F1FF
RGB	179, 241, 255
RGB Percent	70%, 95%, 100%
CMY	0.2980, 0.0549, 0.0000
CMYK	0.30, 0.05, 0.00, 0.00
HSL	191°, 100%, 85%
HSV	191°, 30%, 100%
XYZ	68.0957, 79.7143, 106.4051
YIQ	224.0580, -41.4460, -8.7900

Conversions

Conversions Part 2

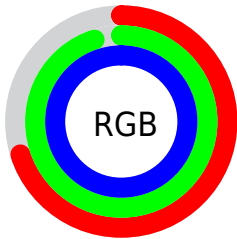
Format	Color
RYB	179, 213, 255
Decimal	11792895
CIELab	91.56, -16.20, -13.03
CIELCh	92, 20.793, 218.800
Yxy	79.7143, 0.2679, 0.3136
Android (android.graphics.Color)	4289982975 (0xFFB3F1FF)
YUV	224.0580, 15.2544, -39.5159
Hunter-Lab	89.2829, -20.1037, -8.1623

Details

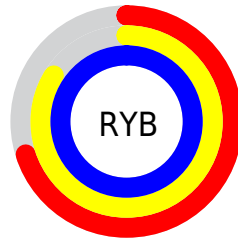
The XYZ color **68.0957, 79.7143, 106.4051** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4468, 62.6543, 51.1356**, and the grayscale version is **70.8105, 74.4981, 81.1284**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.8542, 43.0602, 59.8478** is the 20% darker color. If you saturate the color by 10%, you get **61.3664, 74.2101, 105.6974**, and if you desaturate by 10%, it is **75.9548, 85.8582, 107.1768**.

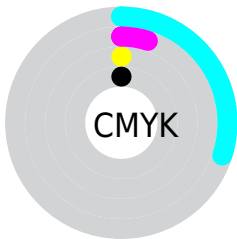
Distribution



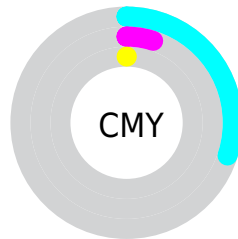
- Red (70%)
- Green (95%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0957, 79.7143, 106.4051 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 68.0957, 79.7143, 106.4051 by changing the saturation by 10% instead.

68.0957, 79.7143,
106.4051

68.0957, 79.7143,
106.4051

443.2064,
493.9695, 601.9598

50.2496, 59.4833,
81.0138

115.5302,
132.9640, 172.0601

35.8303, 43.0023,
60.0219

145.8493,
166.7514, 213.1609

24.4727, 29.8869,
43.0109

181.0567,
205.8265, 260.3353

15.8113, 19.7528,
29.5622

221.5178,
250.5735, 314.0018

9.4807, 12.2155,
19.2573

267.5980,
301.3769, 374.5790

5.1156, 6.8906,
11.6776

319.6626,

2.3507, 3.3938,

358.6211, 442.4853

6.4047

378.0769,
422.6905, 518.1394

■ 0.8204, 1.3406,
3.0200

■ 0.0000, 0.1723,
1.1048

■ 68.0957, 79.7143,
106.4051

■ 68.0957, 79.7143,
106.4051

■ 61.3664, 74.2101,
105.6974

■ 75.9548, 85.8582,
107.1768

■ 55.7002, 69.3047,
105.0492

■ 84.9932, 92.6616,
108.0136

■ 51.0329, 64.9667,
104.4578

95.0500, 100.0000,
108.9000

■ 47.2907, 61.1575,
103.9198

■ 44.3889, 57.8333,
103.4311

■ 42.2271, 54.9417,
102.9870

■ 40.6444, 52.3994,
102.5797

■ 40.6155, 52.3509,
102.5718

Harmonies

Analogous

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



66.1316, 79.7143, 91.3391



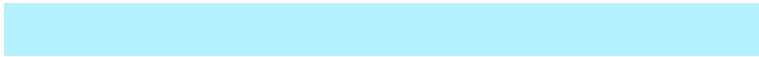
68.0957, 79.7143, 106.4051



72.1390, 79.7143, 116.9600

Triad

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



68.0957, 79.7143, 106.4051



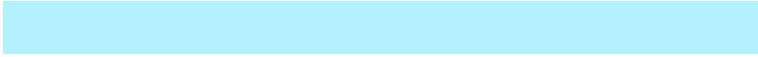
85.6735, 79.7143, 97.7870



74.2171, 79.7143, 61.0221

Complementary

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



68.0957, 79.7143, 106.4051



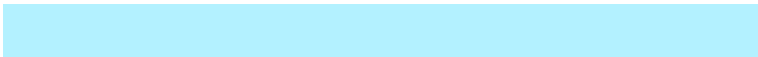
68.4468, 62.6543, 51.1356

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.



79.5126, 79.7143, 62.3216



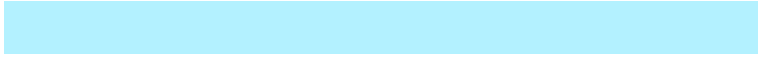
68.0957, 79.7143, 106.4051



86.2935, 79.7143, 82.4048

Square

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



68.0957, 79.7143, 106.4051



82.3351, 79.7143, 111.5948



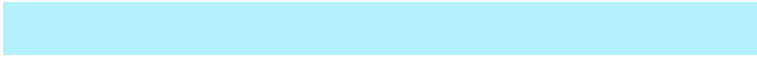
83.9918, 79.7143, 69.7562



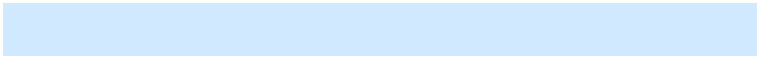
69.5560, 79.7143, 65.9723

Rectangle

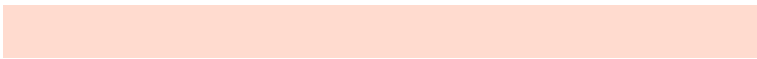
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0957, 79.7143, 106.4051



75.5528, 79.7143, 119.3792



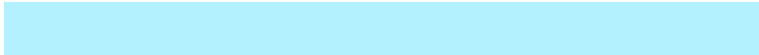
83.9918, 79.7143, 69.7562



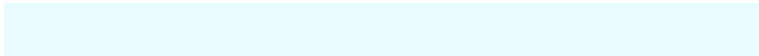
75.9797, 79.7143, 60.7558

Sweetspot

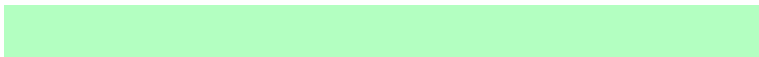
The Sweet Spot groups the original color and five complimentary colors.



68.0978, 79.7174, 106.4056



85.7714, 93.2371, 108.0837



63.9697, 84.9515, 63.4405



18.0579, 19.7339, 23.1072



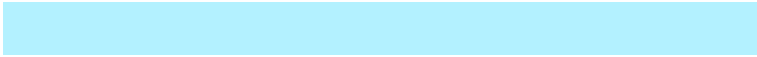
0.0000, 0.0000, 0.0000



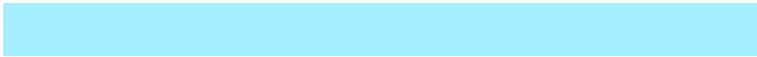
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0978, 79.7174, 106.4056



63.7972, 76.2316, 105.9594



58.0135, 59.5486, 103.0441



18.2537, 19.8790, 23.1249



21.3249, 27.5594, 53.6301



2.1467, 2.8242, 5.2452

Inverse Universe

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



73.2387, 59.8527, 90.9153



69.8192, 53.7041, 87.6475



77.9346, 81.6299, 54.2982



18.6407, 18.2396, 21.9911



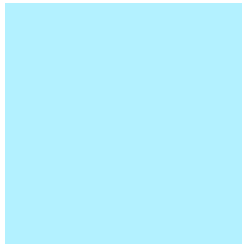
27.5520, 13.5101, 32.6211



2.7182, 1.3296, 3.3634

Previews

White Background



This preview shows how the XYZ color 68.0957, 79.7143, 106.4051 looks on a white background.

Color Contrast Check

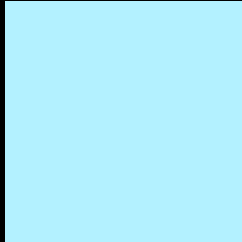
Large Text (above 18pt) WCAG AA × Fail

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 68.0957, 79.7143, 106.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

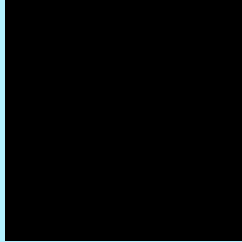
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0957, 79.7143, 106.4051

Background



This preview shows how black text looks on a background with the XYZ color 68.0957, 79.7143, 106.4051.

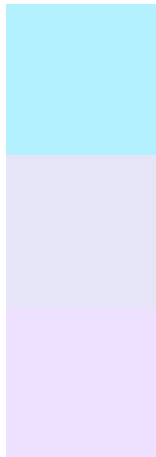


This preview shows how white text looks on a background with the XYZ color 68.0957, 79.7143,

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

68.0957, 79.7143, 106.4051

Protanopia

77.1209, 79.4120, 99.2590

Deuteranopia

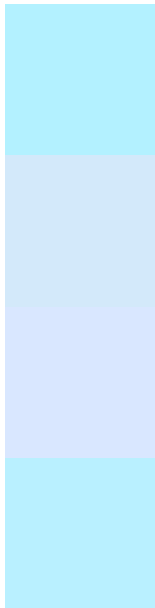
80.2351, 79.2476, 105.6752



Tritanopia

69.9028, 79.7718, 106.3210

Trichromacy



Original Color

68.0957, 79.7143, 106.4051

Protanomaly

73.2582, 79.0288, 101.8355

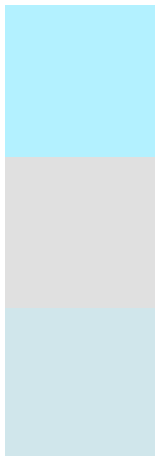
Deuteranomaly

75.2412, 79.1235, 105.9145

Tritanomaly

69.2177, 79.8545, 106.3730

Monochromacy



Original Color

68.0957, 79.7143, 106.4051

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3046, 76.0017, 89.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0957, 79.7143, 106.4051 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(179, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 241, 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(179, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0957, 79.7143, 106.4051 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(179, 241, 255) }
```


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

```
.border{ border-color:rgb(179, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0957, 79.7143, 106.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 241, 255) }
```

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

```
.background{ background-color: rgb(179,  
241, 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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