

Converting Colors

XYZ(70.4437, 80.2018,
121.6535)

Have a look what the booklet for
XYZ(70.4437, 80.2018, 121.6535)
contains.

XYZ(67.5702, 79.0052, 106.2959)	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(67.5702, 79.0052,
106.2959)**

Conversions

Conversions Part 1

Format	Color
Hex	B2F0FF
RGB	178, 240, 255
RGB Percent	70%, 94%, 100%
CMY	0.3019, 0.0588, 0.0000
CMYK	0.30, 0.06, 0.00, 0.00
HSL	192°, 100%, 85%
HSV	192°, 30%, 100%
XYZ	67.5702, 79.0052, 106.2959
YIQ	223.1720, -41.7670, -8.4790

Conversions

Conversions Part 2

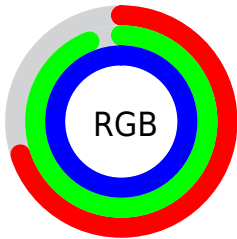
Format	Color
RYB	178, 212, 255
Decimal	11727103
CIELab	91.24, -15.98, -13.51
CIElCh	91, 20.927, 220.218
Yxy	79.0052, 0.2672, 0.3124
Android (android.graphics.Color)	4289917183 (0xFFB2F0FF)
YUV	223.1720, 15.6912, -39.6158
Hunter-Lab	88.8849, -19.8530, -8.6845

Details

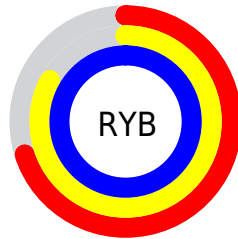
The XYZ color **67.5702, 79.0052, 106.2959** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3460, 62.6139, 50.6048**, and the grayscale version is **70.1766, 73.8312, 80.4022**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **35.5019, 42.5692, 59.7716** is the 20% darker color. If you saturate the color by 10%, you get **60.8126, 73.3827, 105.5669**, and if you desaturate by 10%, it is **75.4595, 85.2745, 107.0902**.

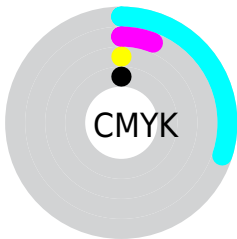
Distribution



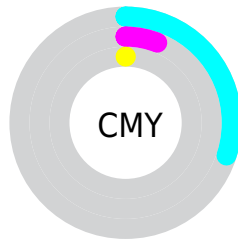
- Red (70%)
- Green (94%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5702, 79.0052, 106.2959 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 67.5702, 79.0052, 106.2959 by changing the saturation by 10% instead.

67.5702, 79.0052,
106.2959

67.5702, 79.0052,
106.2959

441.3723,
491.5739, 601.6130

49.8206, 58.9001,
80.9227

114.7824,
131.9662, 171.9097

35.4880, 42.5327,
59.9473

144.9756,
165.5908, 212.9874

24.2073, 29.5186,
42.9512

180.0474,
204.4908, 260.1370

15.6131, 19.4735,
29.5157

220.3631,
249.0505, 313.7771

9.3399, 12.0129,
19.2223

266.2881,
299.6542, 374.3262

5.0224, 6.7525,
11.6526

318.1877,

2.2953, 3.3078,

356.6864, 442.2029

6.3879

376.4274,
420.5315, 517.8256

■ 0.7923, 1.2945,
3.0098

■ 0.0000, 0.1369,
1.0996

■ 67.5702, 79.0052,
106.2959

■ 67.5702, 79.0052,
106.2959

■ 60.8126, 73.3827,
105.5669

■ 75.4595, 85.2745,
107.0902

■ 55.1198, 68.3660,
104.8986

■ 84.5303, 92.2107,
107.9510

■ 50.4272, 63.9235,
104.2884

94.8367, 99.8443,
108.8812

■ 46.6606, 60.0163,
103.7328

95.0500, 100.0000,
108.9000

■ 43.7350, 56.6002,
103.2276

■ 41.5487, 53.6222,
102.7680

■ 39.9622, 51.0443,
102.3541

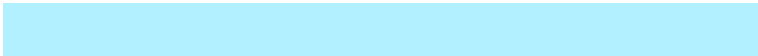
Harmonies

Analogous

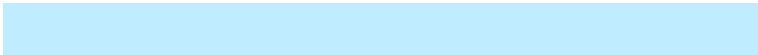
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.4952, 79.0052, 91.3097



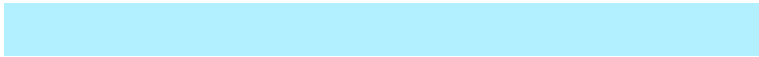
67.5702, 79.0052, 106.2959



71.6929, 79.0052, 116.5405

Triad

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



67.5702, 79.0052, 106.2959



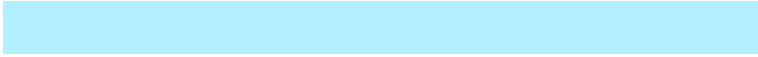
85.1041, 79.0052, 96.2925



73.2973, 79.0052, 60.3600

Complementary

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



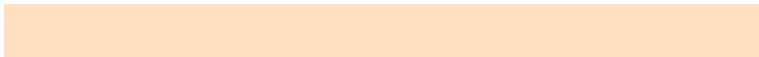
67.5702, 79.0052, 106.2959



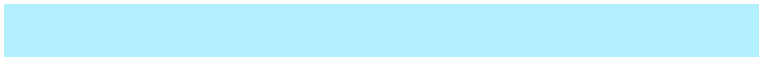
68.3460, 62.6139, 50.6048

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.



78.5970, 79.0052, 61.3608



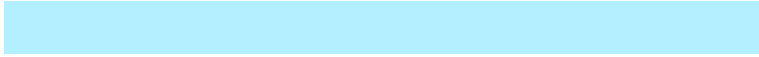
67.5702, 79.0052, 106.2959



85.5834, 79.0052, 80.9449

Square

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



67.5702, 79.0052, 106.2959



81.8721, 79.0052, 110.3107



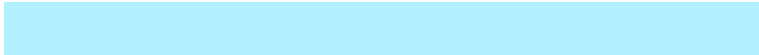
83.1524, 79.0052, 68.5074



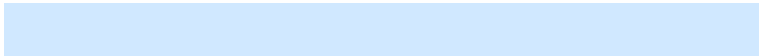
68.6971, 79.0052, 65.5911

Rectangle

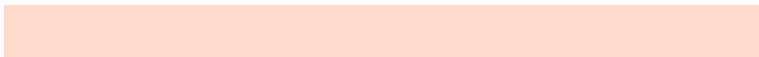
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



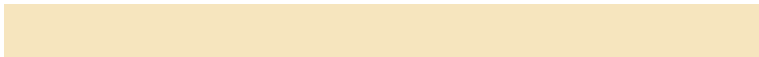
67.5702, 79.0052, 106.2959



75.1309, 79.0052, 118.6635



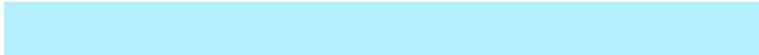
83.1524, 79.0052, 68.5074



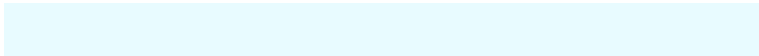
75.0532, 79.0052, 59.9951

Sweetspot

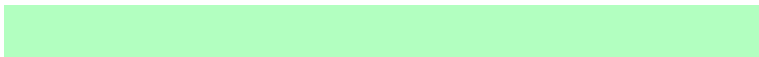
The Sweet Spot groups the original color and five complimentary colors.



67.5723, 79.0083, 106.2964



85.6956, 93.0855, 108.0584



63.6486, 84.7965, 62.9514



18.0391, 19.6964, 23.1010



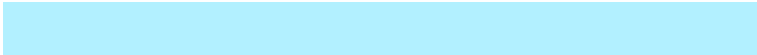
0.0000, 0.0000, 0.0000



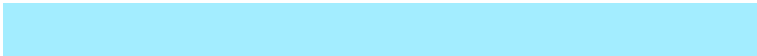
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5723, 79.0083, 106.2964



63.5146, 75.6664, 105.8652



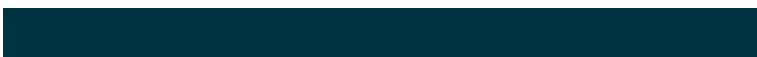
57.6220, 59.1077, 102.9797



18.2366, 19.8448, 23.1192



20.9876, 26.8848, 53.5177



2.1168, 2.7643, 5.2353

Inverse Universe

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



72.8899, 59.3937, 90.0640



69.6766, 53.6470, 86.8964



77.7453, 81.4126, 53.7379



18.6321, 18.2361, 21.9456



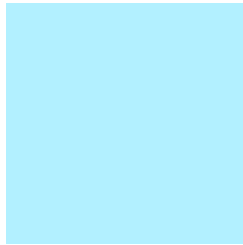
27.3818, 13.4420, 31.7246



2.7031, 1.3236, 3.2838

Previews

White Background



This preview shows how the XYZ color 67.5702, 79.0052, 106.2959 looks on a white background.

Color Contrast Check

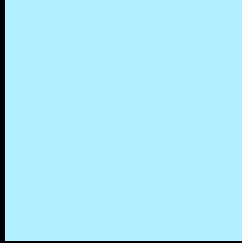
Large Text (above 18pt) WCAG AA × Fail

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 67.5702, 79.0052, 106.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

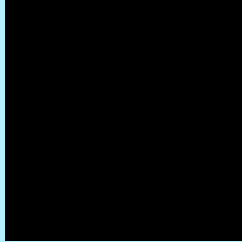
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5702, 79.0052, 106.2959

Background



This preview shows how black text looks on a background with the XYZ color 67.5702, 79.0052, 106.2959.

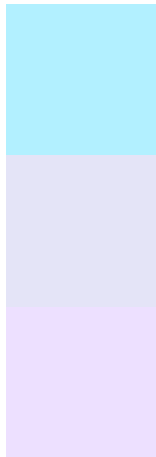


This preview shows how white text looks on a background with the XYZ color 67.5702, 79.0052,

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

67.5702, 79.0052, 106.2959

Protanopia

76.5268, 78.6962, 99.1522

Deuteranopia

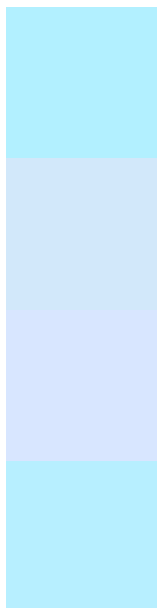
79.6307, 78.5358, 105.5697



Tritanopia

68.8742, 78.8082, 106.1892

Trichromacy



Original Color

67.5702, 79.0052, 106.2959

Protanomaly

72.6903, 78.3170, 101.7280

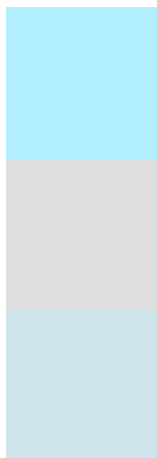
Deuteranomaly

74.6657, 78.4126, 105.8076

Tritanomaly

68.4449, 79.0203, 106.2527

Monochromacy



Original Color

67.5702, 79.0052, 106.2959

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7468, 75.3022, 89.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5702, 79.0052, 106.2959 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(178, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 240, 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(178, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5702, 79.0052, 106.2959 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(178, 240, 255) }
```


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

```
.border{ border-color:rgb(178, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5702, 79.0052, 106.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 240, 255) }
```

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

```
.background{ background-color: rgb(178,  
240, 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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