

Converting Colors

XYZ(77.8324, 80.4331,
156.6243)

Have a look what the booklet for
XYZ(77.8324, 80.4331, 156.6243)
contains.

XYZ(68.2119, 76.7570, 105.8282)	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(68.2119, 76.7570,
105.8282)**

Conversions

Conversions Part 1

Format	Color
Hex	BCEAFF
RGB	188, 234, 255
RGB Percent	74%, 92%, 100%
CMY	0.2627, 0.0823, 0.0000
CMYK	0.26, 0.08, 0.00, 0.00
HSL	199°, 100%, 87%
HSV	199°, 26%, 100%
XYZ	68.2119, 76.7570, 105.8282
YIQ	222.6400, -34.1570, -3.2210

Conversions

Conversions Part 2

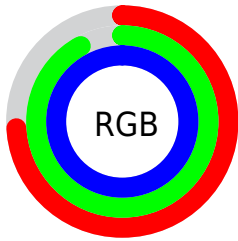
Format	Color
R _{YB}	188, 215, 255
Decimal	12380927
CIE _{Lab}	90.21, -10.14, -14.99
CIE _{LCh}	90, 18.102, 235.914
Yxy	76.7570, 0.2720, 0.3061
Android (android.graphics.Color)	4290571007 (0xFFBCEAFF)
YUV	222.6400, 15.9535, -30.3793
Hunter-Lab	87.6111, -14.3435, -10.2905

Details

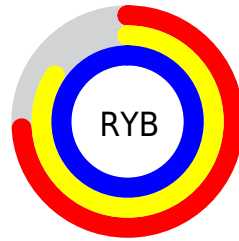
The XYZ color **68.2119, 76.7570, 105.8282** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1177, 70.4914, 57.3314**, and the grayscale version is **69.7935, 73.4282, 79.9633**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.7863, 40.9046, 59.4353** is the 20% darker color. If you saturate the color by 10%, you get **60.2527, 69.3541, 104.8188**, and if you desaturate by 10%, it is **77.3877, 84.9432, 106.9247**.

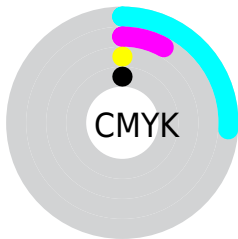
Distribution



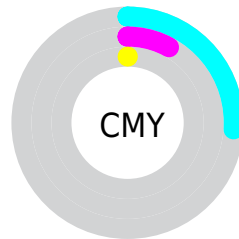
- Red (74%)
- Green (92%)
- Blue (100%)



- Red (74%)
- Yellow (84%)
- Blue (100%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2119, 76.7570, 105.8282 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 68.2119, 76.7570, 105.8282 by changing the saturation by 10% instead.

68.2119, 76.7570,
105.8282

68.2119, 76.7570,
105.8282

443.6114,
483.9351, 600.1267

50.3444, 57.0535,
80.5328

115.6955,
128.7964, 171.2651

35.9061, 41.0482,
59.6282

146.0423,
161.9011, 212.2438

24.5314, 28.3567,
42.6957

181.2797,
200.2415, 259.2873

15.8552, 18.5947,
29.3168

221.7729,
244.2022, 312.8143

9.5119, 11.3778,
19.0730

267.8873,
294.1675, 373.2431

5.1363, 6.3216,
11.5457

319.9883,

2.3631, 3.0416,

350.5219, 440.9925

6.3164

378.4412,
413.6496, 516.4808

■ 0.8266, 1.1535,
2.9665

■ 0.0000, 0.0232,
1.0776

■ 68.2119, 76.7570,
105.8282

■ 68.2119, 76.7570,
105.8282

■ 60.2527, 69.3541,
104.8188

■ 77.3877, 84.9432,
106.9247

■ 53.4442, 62.6929,
103.8919

■ 87.8293, 93.9344,
108.1098

■ 47.7233, 56.7406,
103.0445

95.0500, 100.0000,
108.9000

■ 43.0179, 51.4582,
102.2729

■ 39.2466, 46.8015,
101.5728

■ 36.3142, 42.7192,
100.9394

■ 34.1024, 39.1483,
100.3667

■ 33.3970, 37.9141,
100.1657

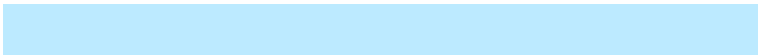
Harmonies

Analogous

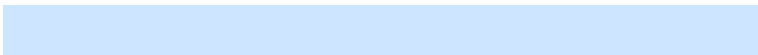
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.4449, 76.7570, 94.8815



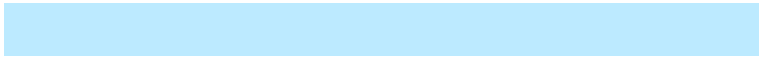
68.2119, 76.7570, 105.8282



72.3404, 76.7570, 110.8145

Triad

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



68.2119, 76.7570, 105.8282



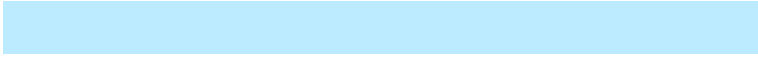
81.9322, 76.7570, 85.3537



69.2382, 76.7570, 63.2062

Complementary

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



68.2119, 76.7570, 105.8282



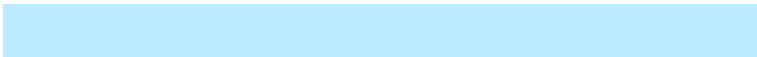
73.1177, 70.4914, 57.3314

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.



73.5736, 76.7570, 61.2112



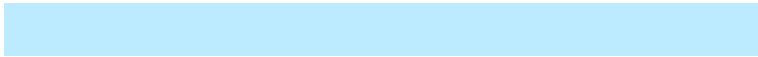
68.2119, 76.7570, 105.8282



81.0192, 76.7570, 73.2050

Square

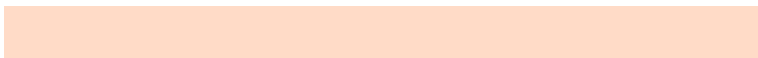
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2119, 76.7570, 105.8282



80.3598, 76.7570, 98.2491



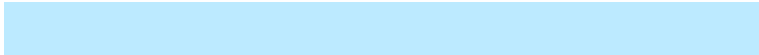
77.9135, 76.7570, 64.6834



66.0201, 76.7570, 70.4406

Rectangle

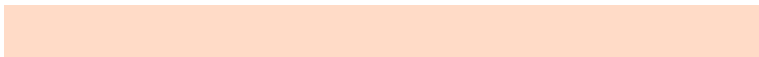
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



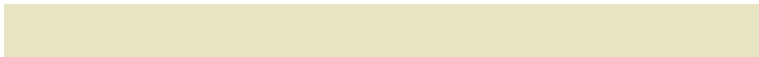
68.2119, 76.7570, 105.8282



75.3540, 76.7570, 109.7475



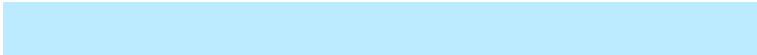
77.9135, 76.7570, 64.6834



70.6079, 76.7570, 61.9347

Sweetspot

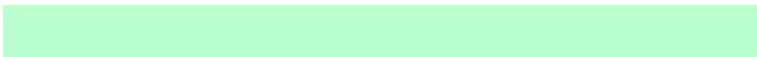
The Sweet Spot groups the original color and five complimentary colors.



68.2140, 76.7600, 105.8286



85.9334, 92.3228, 107.8987



67.8976, 86.7709, 72.9105



18.0465, 19.4647, 23.0559



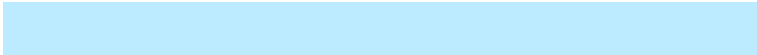
0.0000, 0.0000, 0.0000



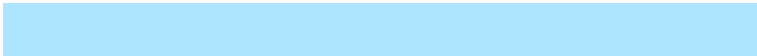
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2140, 76.7600, 105.8286



63.5101, 72.4257, 105.2400



59.7705, 59.8731, 103.0142



18.0465, 19.4647, 23.0559



17.5903, 20.0901, 52.3853



1.8105, 2.1517, 5.1332

Inverse Universe

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



74.0759, 63.1687, 86.1338



70.4631, 56.9819, 81.7273



81.9509, 88.1578, 60.2758



18.5361, 18.1978, 21.4404



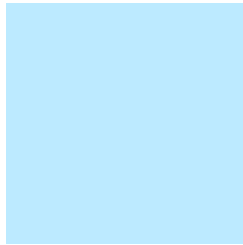
25.6670, 12.7561, 22.6945



2.5485, 1.2618, 2.4697

Previews

White Background



This preview shows how the XYZ color 68.2119, 76.7570, 105.8282 looks on a white background.

Color Contrast Check

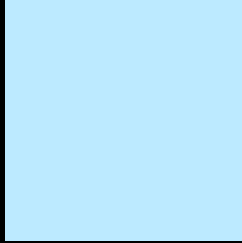
Large Text (above 18pt) WCAG AA × Fail

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 68.2119, 76.7570, 105.8282 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

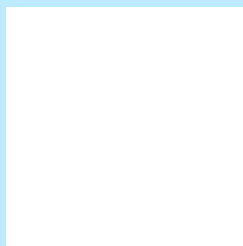
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2119, 76.7570, 105.8282

Background



This preview shows how black text looks on a background with the XYZ color 68.2119, 76.7570, 105.8282.

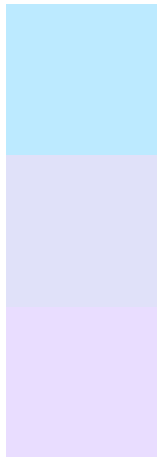


This preview shows how white text looks on a background with the XYZ color 68.2119, 76.7570,

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

68.2119, 76.7570, 105.8282

Protanopia

74.7646, 76.5373, 100.4552

Deuteranopia

77.5107, 76.2565, 105.2415



Tritanopia

67.8915, 76.6289, 104.1411

Trichromacy



Original Color

68.2119, 76.7570, 105.8282

Protanomaly

72.0200, 76.3007, 102.1984

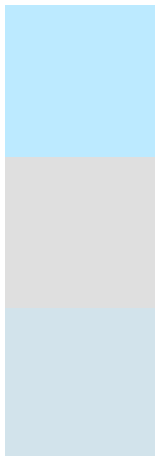
Deuteranomaly

73.8616, 76.3644, 105.4546

Tritanomaly

68.0512, 76.6928, 104.9824

Monochromacy



Original Color

68.2119, 76.7570, 105.8282

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0428, 74.6380, 89.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2119, 76.7570, 105.8282 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(188, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 234, 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(188, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2119, 76.7570, 105.8282 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(188, 234, 255) }
```


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

```
.border{ border-color:rgb(188, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2119, 76.7570, 105.8282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 234, 255) }
```

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

```
.background{ background-color: rgb(188,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor