

Converting Colors

XYZ(77.6340, 105.0658,
85.8254)

Have a look what the booklet for
XYZ(77.6340, 105.0658, 85.8254)
contains.

XYZ(68.6077, 86.9150, 82.9723)	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(68.6077, 86.9150,
82.9723)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFDF
RGB	183, 255, 223
RGB Percent	72%, 100%, 87%
CMY	0.2823, 0.0000, 0.1255
CMYK	0.28, 0.00, 0.13, 0.00
HSL	153°, 100%, 86%
HSV	153°, 28%, 100%
XYZ	68.6077, 86.9150, 82.9723
YIQ	229.8240, -32.6400, -25.2160

Conversions

Conversions Part 2

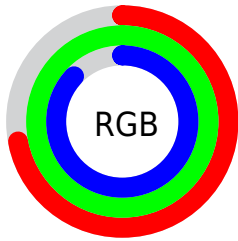
Format	Color
RYB	183, 229, 255
Decimal	12058591
CIELab	94.70, -28.64, 8.19
CIElCh	95, 29.792, 164.049
Yxy	86.9150, 0.2877, 0.3644
Android (android.graphics.Color)	4290248671 (0xFFB7FFDF)
YUV	229.8240, -3.3642, -41.0646
Hunter-Lab	93.2282, -31.7892, 12.4922

Details

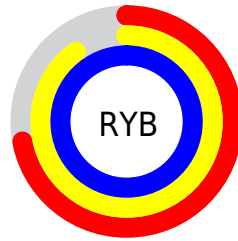
The XYZ color **68.6077, 86.9150, 82.9723** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.4397, 60.0342, 72.1653**, and the grayscale version is **75.1248, 79.0371, 86.0714**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **36.1641, 47.8045, 44.3669** is the 20% darker color. If you saturate the color by 10%, you get **61.6047, 83.4755, 74.9341**, and if you desaturate by 10%, it is **76.8133, 90.9626, 91.6035**.

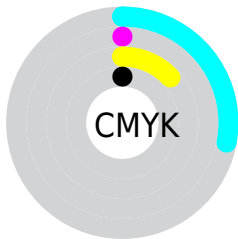
Distribution



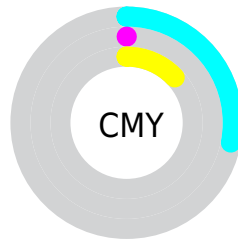
- Red (72%)
- Green (100%)
- Blue (87%)



- Red (72%)
- Yellow (90%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6077, 86.9150, 82.9723 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 68.6077, 86.9150, 82.9723 by changing the saturation by 10% instead.


 68.6077, 86.9150,
82.9723

 68.6077, 86.9150,
82.9723


444.9892,
517.9435, 524.8628

 50.6678, 65.4249,
61.6268


 116.2582,
143.0457, 139.3855

 36.1642, 47.8057,
44.2974


146.6995,
178.4550, 175.2904

 24.7318, 33.6730,
30.5655


182.0386,
219.2728, 216.8855

 16.0050, 22.6425,
20.0125

222.6410,
265.8835, 264.5893

 9.6186, 14.3298,
12.2200

268.8718,
318.6716, 318.8204

 5.2071, 8.3504,
6.7693

321.0966,

 2.4053, 4.3200,

378.0213, 379.9973

3.2420

379.6806,
444.3172, 448.5386

■ 0.8477, 1.8541,
1.2195

■ 0.0000, 0.5206,
0.0000

■ 68.6077, 86.9150,
82.9723

■ 68.6077, 86.9150,
82.9723

■ 61.6047, 83.4755,
74.9341

■ 76.8133, 90.9626,
91.6035

■ 55.7407, 80.6116,
67.4715

■ 86.2760, 95.6462,
100.8361

■ 50.9494, 78.2893,
60.5719

■ 95.0500, 100.0000,
108.9000

■ 47.1563, 76.4705,
54.2209

■ 44.2771, 75.1120,
48.4032

■ 42.2122, 74.1627,
43.1022

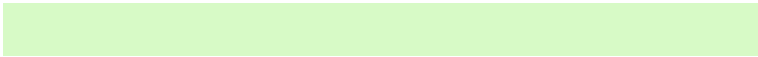
■ 40.8253, 73.5526,
38.2993

■ 40.6178, 73.4631,
37.5006

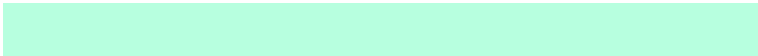
Harmonies

Analogous

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



72.3121, 86.9150, 66.2244



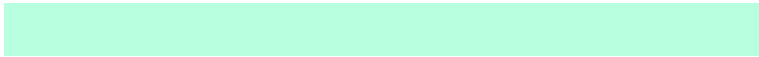
68.6077, 86.9150, 82.9723



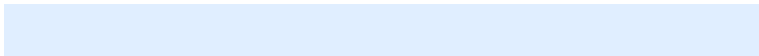
68.4903, 86.9150, 105.8060

Triad

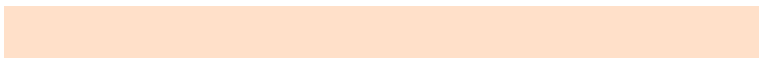
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6077, 86.9150, 82.9723



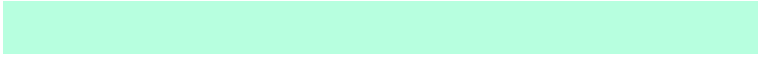
86.4235, 86.9150, 144.4628



94.2381, 86.9150, 67.0475

Complementary

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



68.6077, 86.9150, 82.9723



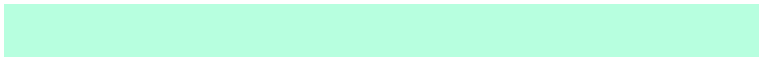
70.4397, 60.0342, 72.1653

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.



98.5482, 86.9150, 84.2806



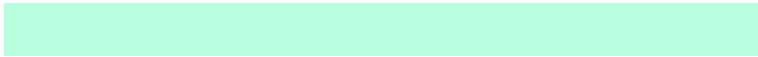
68.6077, 86.9150, 82.9723



93.8422, 86.9150, 130.1935

Square

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



68.6077, 86.9150, 82.9723



78.4303, 86.9150, 143.9587



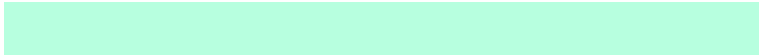
98.3988, 86.9150, 107.3438



86.9358, 86.9150, 58.1019

Rectangle

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



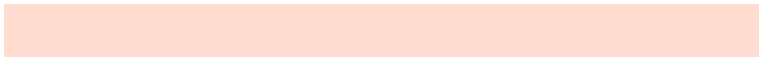
68.6077, 86.9150, 82.9723



70.4413, 86.9150, 121.6792



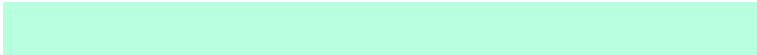
98.3988, 86.9150, 107.3438



96.1054, 86.9150, 71.9290

Sweetspot

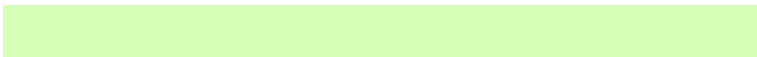
The Sweet Spot groups the original color and five complimentary colors.



68.6085, 86.9154, 82.9737



86.5134, 95.7639, 101.0599



72.4498, 89.4469, 58.2474



18.1941, 20.3372, 21.3248



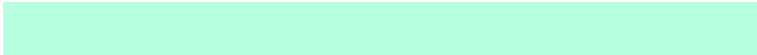
0.0000, 0.0000, 0.0000



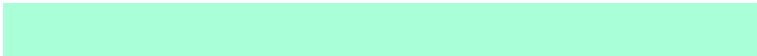
20.3446, 21.4041, 23.3091

Same Dimension

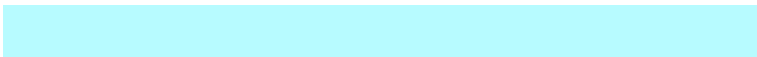
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6085, 86.9154, 82.9737



64.4277, 84.8599, 78.2673



72.2013, 86.5322, 107.5047



18.1941, 20.3372, 21.3248



21.3001, 38.4166, 19.9972



2.1289, 3.7625, 2.2368

Inverse Universe

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



70.4397, 60.0342, 72.1653



66.5400, 53.8730, 65.8154



67.4735, 60.0510, 52.8357



18.3448, 18.1212, 20.4330



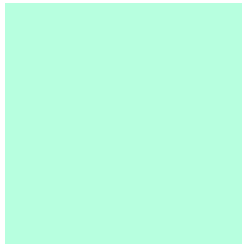
23.1884, 11.7646, 9.6424



2.3117, 1.1671, 1.2230

Previews

White Background



This preview shows how the XYZ color 68.6077, 86.9150, 82.9723 looks on a white background.

Color Contrast Check

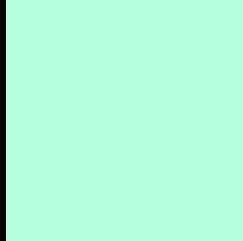
Large Text (above 18pt) WCAG AA × Fail

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 68.6077, 86.9150, 82.9723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

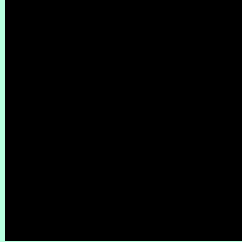
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

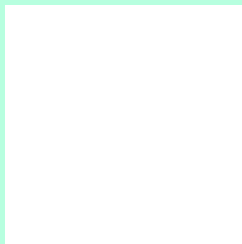
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6077, 86.9150, 82.9723

Background



This preview shows how black text looks on a background with the XYZ color 68.6077, 86.9150, 82.9723.



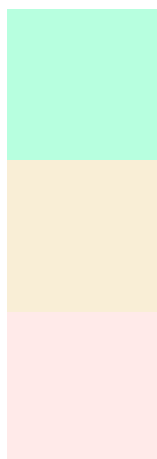
This preview shows how white text looks on a background with the XYZ color 68.6077, 86.9150,

82.9723.

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

68.6077, 86.9150, 82.9723

Protanopia

81.7791, 86.1438, 75.9355

Deuteranopia

85.3708, 85.9888, 89.1888



Tritanopia

78.7196, 86.5203, 107.1589

Trichromacy



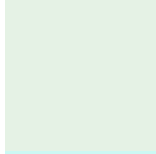
Original Color

68.6077, 86.9150, 82.9723



Protanomaly

75.9264, 85.7187, 78.1893



Deuteranomaly

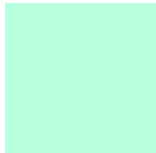
78.2081, 85.8194, 86.5715



Tritanomaly

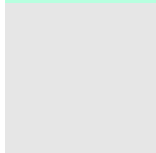
74.6469, 86.4432, 97.5449

Monochromacy



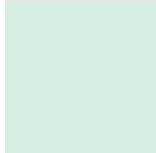
Original Color

68.6077, 86.9150, 82.9723



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1722, 81.4252, 84.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6077, 86.9150, 82.9723 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(183, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 223)  
}
```

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(183, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 68.6077, 86.9150, 82.9723 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(183, 255, 223) }
```


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

```
.border{ border-color:rgb(183, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6077, 86.9150, 82.9723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 223) }
```

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

```
.background{ background-color: rgb(183,  
255, 223) }
```

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