

Converting Colors

XYZ(67.4001, 86.3103, 82.1095)

Have a look what the booklet for
XYZ(67.4001, 86.3103, 82.1095)
contains.

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Color

**XYZ(67.5352, 86.3776,
82.2203)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDE
RGB	179, 255, 222
RGB Percent	70%, 100%, 87%
CMY	0.2980, 0.0000, 0.1294
CMYK	0.30, 0.00, 0.13, 0.00
HSL	154°, 100%, 85%
HSV	154°, 30%, 100%
XYZ	67.5352, 86.3776, 82.2203
YIQ	228.5140, -34.7030, -26.3750

Conversions

Conversions Part 2

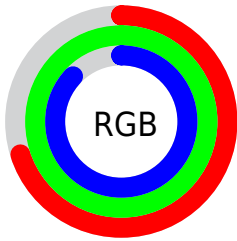
Format	Color
RYB	179, 228, 255
Decimal	11796446
CIELab	94.47, -30.01, 8.35
CIELCh	94, 31.148, 164.457
Yxy	86.3776, 0.2860, 0.3658
Android (android.graphics.Color)	4289986526 (0xFFB3FFDE)
YUV	228.5140, -3.2114, -43.4238
Hunter-Lab	92.9396, -32.9359, 12.6059

Details

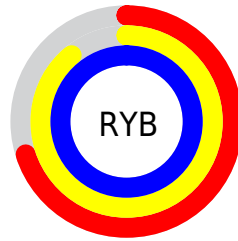
The XYZ color **67.5352, 86.3776, 82.2203** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2443, 58.2546, 69.8823**, and the grayscale version is **74.1601, 78.0222, 84.9661**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.4813, 47.4633, 43.8505** is the 20% darker color. If you saturate the color by 10%, you get **60.7410, 83.0409, 74.4091**, and if you desaturate by 10%, it is **75.5183, 90.3159, 90.5987**.

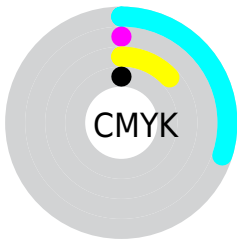
Distribution



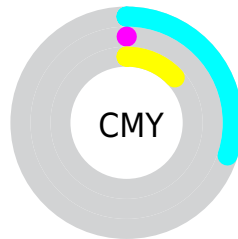
- Red (70%)
- Green (100%)
- Blue (87%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5352, 86.3776, 82.2203 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 67.5352, 86.3776, 82.2203 by changing the saturation by 10% instead.

67.5352, 86.3776,
82.2203

67.5352, 86.3776,
82.2203

441.2500,
516.1755, 522.2871

49.7920, 64.9803,
61.0103

114.7325,
142.2963, 138.3223

35.4653, 47.4451,
43.8028

144.9174,
177.5865, 174.0514

24.1897, 33.3876,
30.1795

179.9801,
218.2763, 215.4573

15.5999, 22.4236,
19.7217

220.2861,
264.7503, 262.9585

9.3305, 14.1685,
12.0108

266.2008,
317.3929, 316.9735

5.0162, 8.2379,
6.6284

318.0894,

2.2916, 4.2476,

376.5883, 377.9209

3.1559

376.3174,
442.7210, 446.2193

0.7904, 1.8130,
1.1748

0.0000, 0.4953,
0.0000

67.5352, 86.3776,
82.2203

67.5352, 86.3776,
82.2203

60.7410, 83.0409,
74.4091

75.5183, 90.3159,
90.5987

55.0712, 80.2729,
67.1482

84.7452, 94.8839,
99.5522

50.4587, 78.0390,
60.4259

95.0500, 100.0000,
108.9000

46.8279, 76.3007,
54.2284

■ 44.0927, 75.0137,
48.5410

■ 42.1504, 74.1254,
43.3479

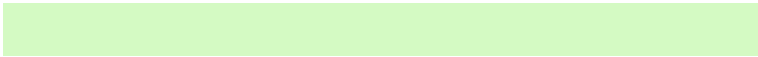
■ 40.8385, 73.5521,
38.6300

■ 40.8154, 73.5422,
38.5416

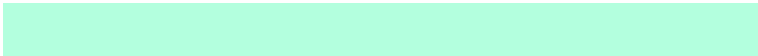
Harmonies

Analogous

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



71.3247, 86.3776, 64.8110



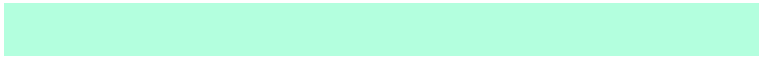
67.5352, 86.3776, 82.2203



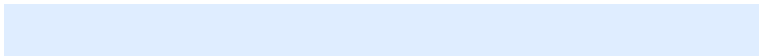
67.4658, 86.3776, 106.0461

Triad

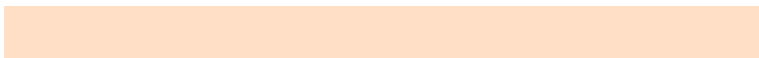
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5352, 86.3776, 82.2203



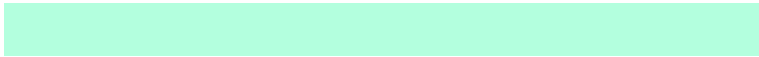
86.1874, 86.3776, 146.1787



94.1443, 86.3776, 65.2949

Complementary

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



67.5352, 86.3776, 82.2203



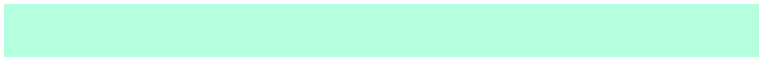
69.2443, 58.2546, 69.8823

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.



98.7092, 86.3776, 82.9955



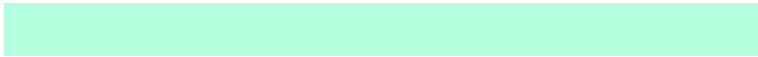
67.5352, 86.3776, 82.2203



93.9078, 86.3776, 130.9786

Square

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



67.5352, 86.3776, 82.2203



77.8574, 86.3776, 145.8751



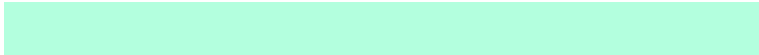
98.6198, 86.3776, 106.9644



86.4926, 86.3776, 56.2332

Rectangle

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



67.5352, 86.3776, 82.2203



69.5186, 86.3776, 122.6460



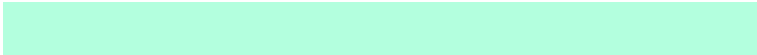
98.6198, 86.3776, 106.9644



96.1131, 86.3776, 70.2858

Sweetspot

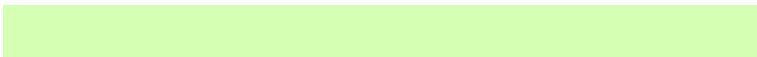
The Sweet Spot groups the original color and five complimentary colors.



67.5360, 86.3780, 82.2217



85.5417, 95.2789, 100.2965



71.3959, 88.9510, 56.0554



18.0019, 20.2411, 21.1795



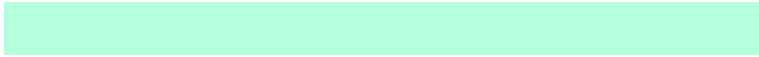
0.0000, 0.0000, 0.0000



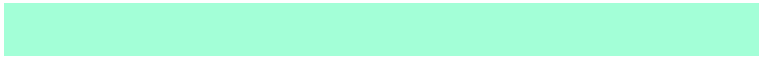
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5360, 86.3780, 82.2217



63.1891, 84.2412, 77.3145



71.2007, 85.9234, 107.4400



18.2021, 20.3404, 21.3674



21.4033, 38.4579, 20.5410



2.1388, 3.7665, 2.2889

Inverse Universe

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



69.2443, 58.2546, 69.8823



65.1593, 51.8401, 63.1089



66.2696, 58.3002, 50.4093



18.3369, 18.1181, 20.3911



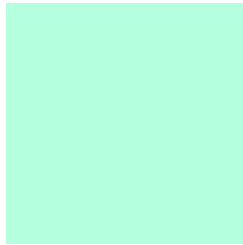
23.1117, 11.7340, 9.2385



2.3039, 1.1639, 1.1819

Previews

White Background



This preview shows how the XYZ color 67.5352, 86.3776, 82.2203 looks on a white background.

Color Contrast Check

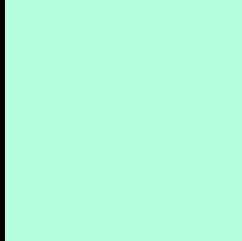
Large Text (above 18pt) WCAG AA × Fail

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 67.5352, 86.3776, 82.2203 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

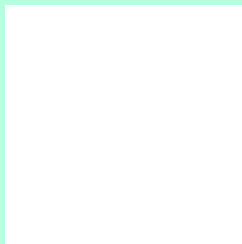
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5352, 86.3776, 82.2203

Background



This preview shows how black text looks on a background with the XYZ color 67.5352, 86.3776, 82.2203.

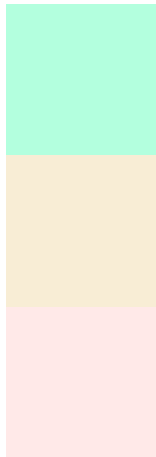


This preview shows how white text looks on a background with the XYZ color 67.5352, 86.3776,

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

67.5352, 86.3776, 82.2203

Protanopia

81.0058, 85.3289, 75.1515

Deuteranopia

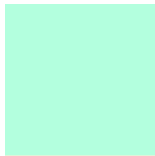
84.9444, 85.3640, 88.3438



Tritanopia

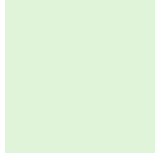
77.8413, 86.0675, 107.1178

Trichromacy



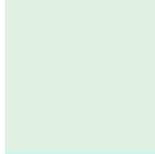
Original Color

67.5352, 86.3776, 82.2203



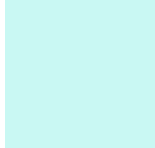
Protanomaly

75.1768, 85.3472, 77.4772



Deuteranomaly

77.1374, 84.8429, 85.7095



Tritanomaly

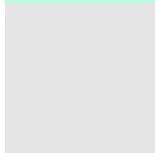
73.8325, 86.0234, 97.5068

Monochromacy



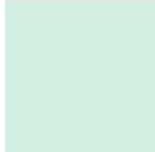
Original Color

67.5352, 86.3776, 82.2203



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1660, 80.4889, 83.7366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5352, 86.3776, 82.2203 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, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 222)  
}
```

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, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 67.5352, 86.3776, 82.2203 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, 255, 222) }
```


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

```
.border{ border-color:rgb(179, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5352, 86.3776, 82.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 222) }
```

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

```
.background{ background-color: rgb(179,  
255, 222) }
```

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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