

Converting Colors

XYZ(72.2917, 95.1738, 77.3529)

Have a look what the booklet for
XYZ(72.2917, 95.1738, 77.3529)
contains.

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Color

**XYZ(68.2638, 86.8889,
76.1241)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFD5
RGB	187, 255, 213
RGB Percent	73%, 100%, 84%
CMY	0.2667, 0.0000, 0.1647
CMYK	0.27, 0.00, 0.16, 0.00
HSL	143°, 100%, 87%
HSV	143°, 27%, 100%
XYZ	68.2638, 86.8889, 76.1241
YIQ	229.8800, -27.0460, -27.4780

Conversions

Conversions Part 2

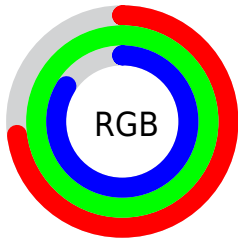
Format	Color
RYB	187, 236, 255
Decimal	12320725
CIELab	94.69, -29.35, 13.34
CIELCh	95, 32.237, 155.558
Yxy	86.8889, 0.2952, 0.3757
Android (android.graphics.Color)	4290510805 (0xFFBBFFD5)
YUV	229.8800, -8.3218, -37.6058
Hunter-Lab	93.2142, -32.4035, 16.8303

Details

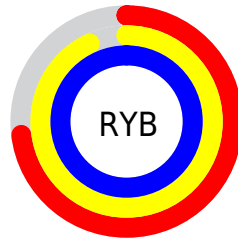
The XYZ color **68.2638, 86.8889, 76.1241** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1537, 62.4587, 82.3290**, and the grayscale version is **75.1987, 79.1149, 86.1561**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.8814, 47.7623, 39.6757** is the 20% darker color. If you saturate the color by 10%, you get **60.6663, 83.1921, 65.8352**, and if you desaturate by 10%, it is **77.1646, 91.2351, 87.4903**.

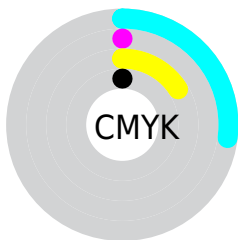
Distribution



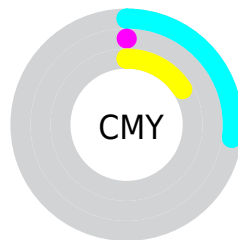
- Red (73%)
- Green (100%)
- Blue (84%)



- Red (73%)
- Yellow (93%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2638, 86.8889, 76.1241 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 68.2638, 86.8889, 76.1241 by changing the saturation by 10% instead.


 68.2638, 86.8889,
76.1241

 68.2638, 86.8889,
76.1241

443.7922,
517.8577, 501.1305

 50.3868, 65.4033,
56.0270


 115.7693,
143.0093, 129.6640

 35.9399, 47.7882,
39.8204


146.1285,
178.4128, 163.9439

 24.5577, 33.6592,
27.0858

181.3792,
219.2244, 203.7885

 15.8748, 22.6319,
17.4047

221.8867,
265.8285, 249.6163

 9.5259, 14.3219,
10.3585

268.0164,
318.6095, 301.8459

 5.1456, 8.3449,
5.5286

320.1337,

 2.3686, 4.3164,

377.9518, 360.8957

2.4965

378.6038,
444.2397, 427.1844

■ 0.8294, 1.8521,
0.8383

■ 0.0000, 0.5193,
0.0000

■ 68.2638, 86.8889,
76.1241

■ 68.2638, 86.8889,
76.1241

■ 60.6663, 83.1921,
65.8352

■ 77.1646, 91.2351,
87.4903

■ 54.3059, 80.1113,
56.5877

■ 87.4260, 96.2597,
99.9599

■ 49.1133, 77.6114,
48.3495

95.0500, 100.0000,
108.9000

■ 45.0118, 75.6535,
41.0856

■ 41.9143, 74.1935,
34.7586

■ 39.7198, 73.1801,
29.3286

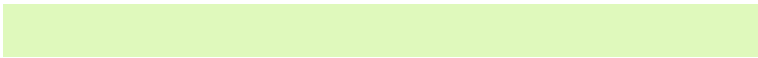
■ 38.3023, 72.5492,
24.7519

■ 37.9412, 72.3925,
23.4059

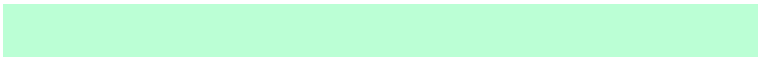
Harmonies

Analogous

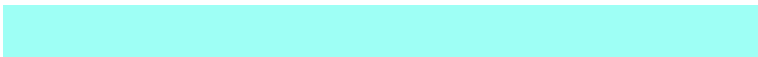
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2281, 86.8889, 60.7191



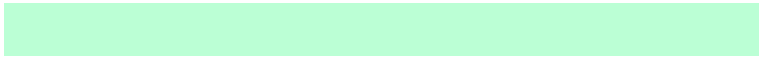
68.2638, 86.8889, 76.1241



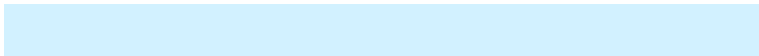
67.0194, 86.8889, 99.3266

Triad

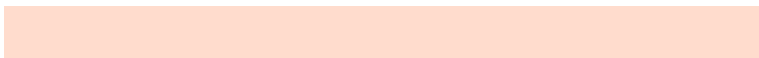
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2638, 86.8889, 76.1241



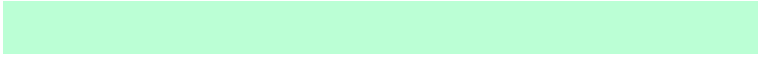
84.2171, 86.8889, 150.7956



96.9661, 86.8889, 69.3768

Complementary

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



68.2638, 86.8889, 76.1241



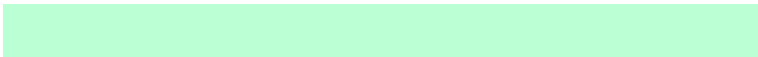
73.1537, 62.4587, 82.3290

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.



100.3921, 86.8889, 90.0398



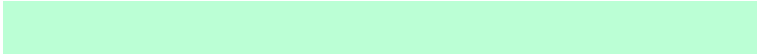
68.2638, 86.8889, 76.1241



92.7074, 86.8889, 139.2147

Square

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



68.2638, 86.8889, 76.1241



75.8505, 86.8889, 145.3082



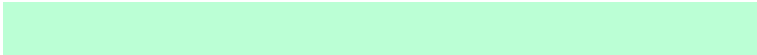
98.7816, 86.8889, 115.8634



89.7074, 86.8889, 57.3296

Rectangle

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



68.2638, 86.8889, 76.1241



68.3852, 86.8889, 116.8341



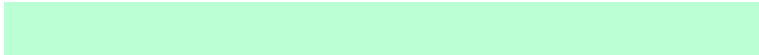
98.7816, 86.8889, 115.8634



98.6265, 86.8889, 75.3948

Sweetspot

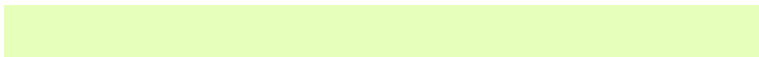
The Sweet Spot groups the original color and five complimentary colors.



68.2645, 86.8893, 76.1255



85.9762, 95.5490, 98.2313



77.3847, 91.9421, 60.6829



18.0590, 20.2831, 20.6135



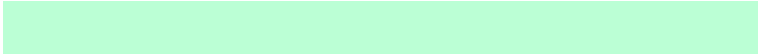
0.0000, 0.0000, 0.0000



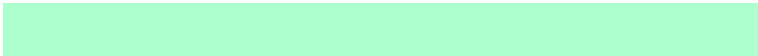
20.3446, 21.4041, 23.3091

Same Dimension

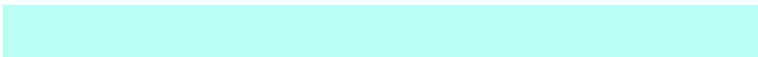
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2645, 86.8893, 76.1255



64.0535, 84.8384, 70.5048



72.8784, 88.7348, 100.4218



18.0590, 20.2831, 20.6135



19.8922, 37.8535, 12.5834



1.9881, 3.7062, 1.4954

Inverse Universe

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



73.1537, 62.4587, 82.3290



69.6877, 56.6717, 77.6441



68.9824, 60.7902, 60.3634



18.4810, 18.1757, 21.1502



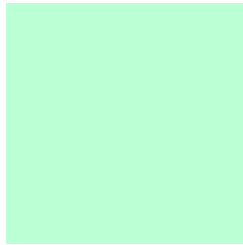
24.8261, 12.4197, 18.2667



2.4706, 1.2306, 2.0595

Previews

White Background



This preview shows how the XYZ color 68.2638, 86.8889, 76.1241 looks on a white background.

Color Contrast Check

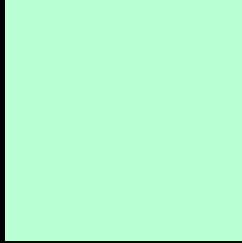
Large Text (above 18pt) WCAG AA × Fail

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 68.2638, 86.8889, 76.1241 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 68.2638, 86.8889, 76.1241

Background



This preview shows how black text looks on a background with the XYZ color 68.2638, 86.8889, 76.1241.

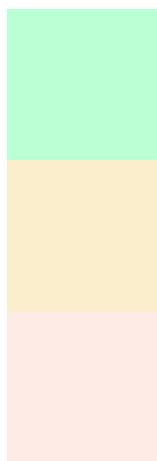


This preview shows how white text looks on a background with the XYZ color 68.2638, 86.8889,

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

68.2638, 86.8889, 76.1241

Protanopia

81.2573, 86.0179, 69.4471

Deuteranopia

85.0912, 86.3338, 86.3080



Tritanopia

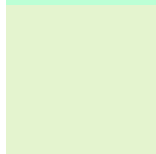
79.0160, 86.6731, 107.1727

Trichromacy



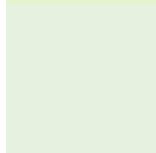
Original Color

68.2638, 86.8889, 76.1241



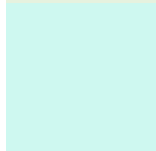
Protanomaly

75.6081, 85.7003, 71.5883



Deuteranomaly

77.7045, 85.6550, 82.2496



Tritanomaly

74.7492, 86.5479, 95.2038

Monochromacy



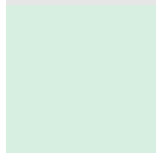
Original Color

68.2638, 86.8889, 76.1241



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0526, 81.4110, 82.4373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2638, 86.8889, 76.1241 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(187, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 213)  
}
```

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(187, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 68.2638, 86.8889, 76.1241 is called "border". The border property can be set on classes, ids or directly on the HTML element.

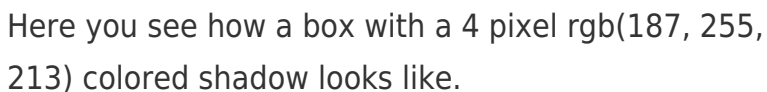
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 255, 213) }
```


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

```
.border{ border-color:rgb(187, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2638, 86.8889, 76.1241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 213) }
```

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

```
.background{ background-color: rgb(187,  
255, 213) }
```

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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