

Converting Colors

XYZ(67.3082, 86.2869, 81.0214)

Have a look what the booklet for
XYZ(67.3082, 86.2869, 81.0214)
contains.

XYZ(67.2687, 86.2710, 80.8167)	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(67.2687, 86.2710,
80.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDC
RGB	179, 255, 220
RGB Percent	70%, 100%, 86%
CMY	0.2980, 0.0000, 0.1372
CMYK	0.30, 0.00, 0.14, 0.00
HSL	152°, 100%, 85%
HSV	152°, 30%, 100%
XYZ	67.2687, 86.2710, 80.8167
YIQ	228.2860, -34.0610, -26.9970

Conversions

Conversions Part 2

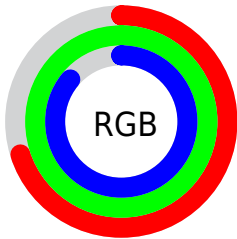
Format	Color
RYB	179, 228, 255
Decimal	11796444
CIELab	94.43, -30.40, 9.31
CIElCh	94, 31.794, 162.972
Yxy	86.2710, 0.2870, 0.3681
Android (android.graphics.Color)	4289986524 (0xFFB3FFDC)
YUV	228.2860, -4.0850, -43.2238
Hunter-Lab	92.8822, -33.2675, 13.4294

Details

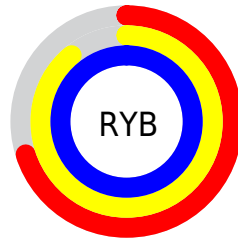
The XYZ color **67.2687, 86.2710, 80.8167** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.4983, 58.3563, 71.2196**, and the grayscale version is **73.9988, 77.8525, 84.7814**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.2978, 47.3899, 42.8841** is the 20% darker color. If you saturate the color by 10%, you get **60.4090, 82.9081, 72.6606**, and if you desaturate by 10%, it is **75.3291, 90.2402, 89.6021**.

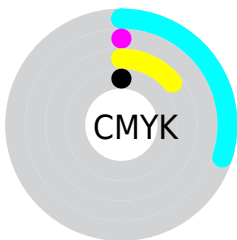
Distribution



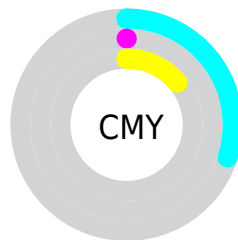
- Red (70%)
- Green (100%)
- Blue (86%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2687, 86.2710, 80.8167 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 67.2687, 86.2710, 80.8167 by changing the saturation by 10% instead.


 67.2687, 86.2710,
80.8167

 67.2687, 86.2710,
80.8167


440.3181,
515.8244, 517.4601

 49.5745, 64.8921,
59.8605


 114.3530,
142.1476, 136.3351

 35.2919, 47.3736,
42.8817


144.4739,
177.4141, 171.7344

 24.0553, 33.3311,
29.4616


179.4677,
218.0785, 212.7852

 15.4996, 22.3802,
19.1817

219.6997,
264.5254, 259.9060

 9.2594, 14.1365,
11.6235

265.5355,
317.1390, 313.5154

 4.9692, 8.2157,
6.3684

317.3402,

 2.2638, 4.2333,

376.3038, 374.0318

2.9980

375.4793,
442.4041, 441.8739

0.7760, 1.8049,
1.0936

0.0000, 0.4902,
0.0000

67.2687, 86.2710,
80.8167

67.2687, 86.2710,
80.8167

60.4090, 82.9081,
72.6606

75.3291, 90.2402,
89.6021

54.6851, 80.1184,
65.1151

84.6454, 94.8440,
99.0266

50.0296, 77.8674,
58.1663

95.0500, 100.0000,
108.9000

46.3665, 76.1162,
51.7983

■ 43.6090, 74.8203,
45.9941

■ 41.6544, 73.9270,
40.7356

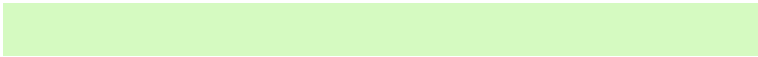
■ 40.3393, 73.3524,
36.0013

■ 40.3163, 73.3425,
35.9130

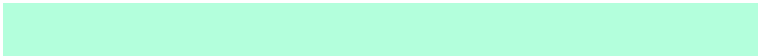
Harmonies

Analogous

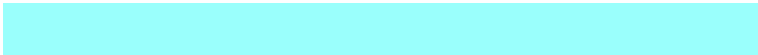
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2997, 86.2710, 63.5377



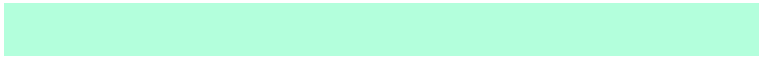
67.2687, 86.2710, 80.8167



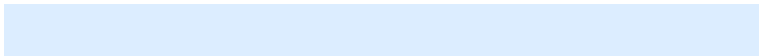
67.0053, 86.2710, 104.8991

Triad

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



67.2687, 86.2710, 80.8167



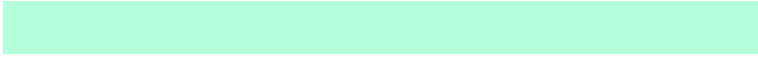
85.7421, 86.2710, 147.6601



94.6180, 86.2710, 65.3697

Complementary

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



67.2687, 86.2710, 80.8167



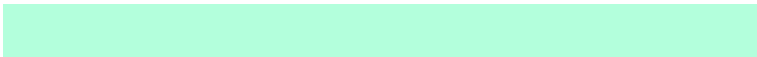
69.4983, 58.3563, 71.2196

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.



99.0753, 86.2710, 83.7618



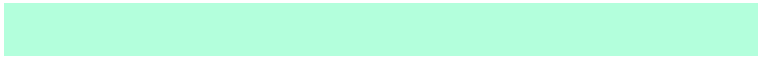
67.2687, 86.2710, 80.8167



93.7163, 86.2710, 132.7456

Square

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



67.2687, 86.2710, 80.8167



77.2797, 86.2710, 146.4978



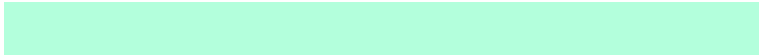
98.7342, 86.2710, 108.4000



86.9045, 86.2710, 55.7404

Rectangle

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



67.2687, 86.2710, 80.8167



68.9709, 86.2710, 121.9437



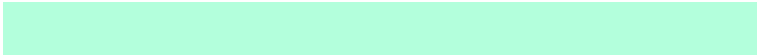
98.7342, 86.2710, 108.4000



96.5701, 86.2710, 70.5804

Sweetspot

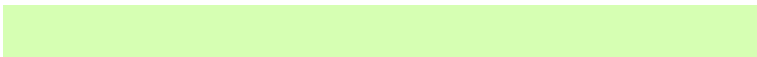
The Sweet Spot groups the original color and five complimentary colors.



67.2695, 86.2714, 80.8181



85.4496, 95.2421, 99.8115



71.7653, 89.1414, 56.0727



17.9792, 20.2320, 21.0600



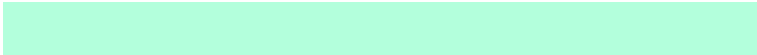
0.0000, 0.0000, 0.0000



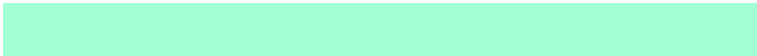
20.3446, 21.4041, 23.3091

Same Dimension

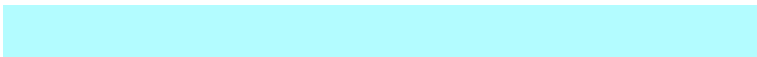
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2695, 86.2714, 80.8181



62.8806, 84.1178, 75.6900



71.5981, 86.7183, 107.5724



18.1814, 20.3321, 21.2581



21.1424, 38.3536, 19.1671



2.1138, 3.7564, 2.1569

Inverse Universe

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



69.4983, 58.3563, 71.2196



65.4497, 51.9562, 64.6378



66.0100, 57.7808, 50.3228



18.3573, 18.1262, 20.4989



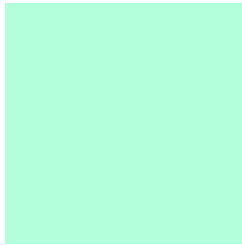
23.3133, 11.8146, 10.3002



2.3244, 1.1721, 1.2895

Previews

White Background



This preview shows how the XYZ color 67.2687, 86.2710, 80.8167 looks on a white background.

Color Contrast Check

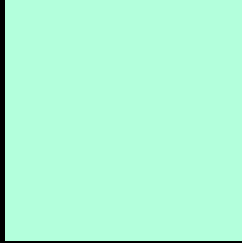
Large Text (above 18pt) WCAG AA × Fail

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 67.2687, 86.2710, 80.8167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

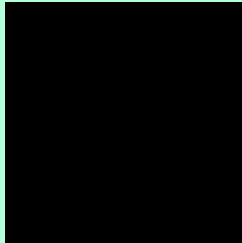
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

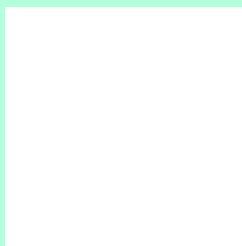
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2687, 86.2710, 80.8167

Background



This preview shows how black text looks on a background with the XYZ color 67.2687, 86.2710, 80.8167.



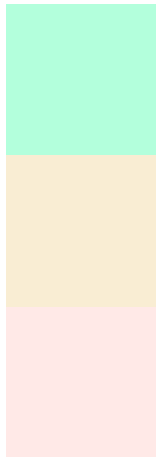
This preview shows how white text looks on a background with the XYZ color 67.2687, 86.2710,

80.8167.

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

67.2687, 86.2710, 80.8167

Protanopia

81.1090, 85.4113, 73.8391

Deuteranopia

84.8027, 85.3073, 87.5977



Tritanopia

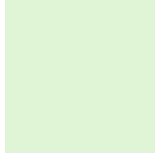
77.8413, 86.0675, 107.1178

Trichromacy



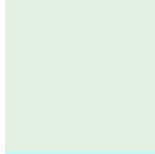
Original Color

67.2687, 86.2710, 80.8167



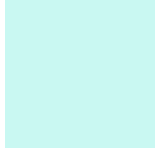
Protanomaly

75.2288, 85.4037, 76.1379



Deuteranomaly

76.9990, 84.7875, 84.9804



Tritanomaly

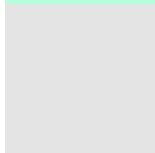
73.6818, 85.9631, 96.7135

Monochromacy



Original Color

67.2687, 86.2710, 80.8167



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7435, 80.2870, 83.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2687, 86.2710, 80.8167 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 67.2687, 86.2710, 80.8167 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, 220) }
```


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

```
.border{ border-color:rgb(179, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2687, 86.2710, 80.8167 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, 220) }
```

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

```
.background{ background-color: rgb(179,  
255, 220) }
```

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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