

Converting Colors

XYZ(83.6572, 100.0000,
85.8785)

Have a look what the booklet for
XYZ(83.6572, 100.0000, 85.8785)
contains.

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Color

**XYZ(80.0911, 92.8035,
84.9258)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFE1
RGB	224, 255, 225
RGB Percent	88%, 100%, 88%
CMY	0.1216, 0.0000, 0.1176
CMYK	0.12, 0.00, 0.12, 0.00
HSL	122°, 100%, 94%
HSV	122°, 12%, 100%
XYZ	80.0911, 92.8035, 84.9258
YIQ	242.3110, -8.8460, -15.9020

Conversions

Conversions Part 2

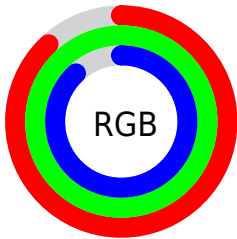
Format	Color
R _Y B	224, 254, 255
Decimal	14745569
CIE _{Lab}	97.15, -15.44, 10.98
CIE _{LCh}	97, 18.948, 144.581
Y _{xy}	92.8035, 0.3106, 0.3600
Android (android.graphics.Color)	4292935649 (0xFFE0FFE1)
Y _{UV}	242.3110, -8.5343, -16.0587
Hunter-Lab	96.3346, -20.1833, 15.1658

Details

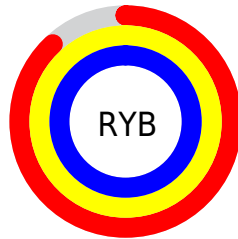
The XYZ color **80.0911, 92.8035, 84.9258** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85.7854, 81.7279, 105.0193**, and the grayscale version is **84.7145, 89.1262, 97.0584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8120, 51.7255, 45.7051** is the 20% darker color. If you saturate the color by 10%, you get **69.6445, 87.7794, 68.1153**, and if you desaturate by 10%, it is **92.2110, 98.6341, 104.3571**.

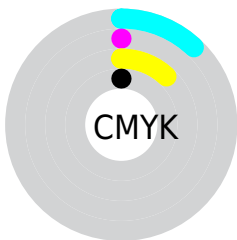
Distribution



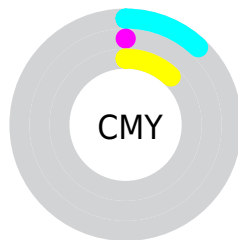
- Red (88%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0911, 92.8035, 84.9258 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 80.0911, 92.8035, 84.9258 by changing the saturation by 10% instead.


 80.0911, 92.8035,
84.9258

 80.0911, 92.8035,
84.9258


483.9717,
537.1090, 531.5207

 60.1020, 70.3082,
63.2303

132.4437,
151.2265, 142.1427

 43.7507, 51.7778,
45.5853


165.5379,
187.9230, 178.5012

 30.6716, 36.8280,
31.5724

203.7312,
230.1221, 220.5845

 20.4995, 25.0744,
20.7730


247.3889,
278.2080, 268.8110

 12.8690, 16.1325,
12.7686

296.8765,
332.5653, 323.5993

 7.4148, 9.6179,
7.1405

352.5593,

 3.7715, 5.1464,

393.5783, 385.3681

3.4704

414.8025,
461.6314, 454.5357

■ 1.5737, 2.3334,
1.3395

■ 0.3752, 0.7913,
0.0939

■ 80.0911, 92.8035,
84.9258

■ 80.0911, 92.8035,
84.9258

■ 69.6445, 87.7794,
68.1153

■ 92.2110, 98.6341,
104.3571

■ 60.7956, 83.5251,
53.8095

95.0500, 100.0000,
108.9000

■ 53.4663, 80.0029,
41.8898

■ 47.5711, 77.1716,
32.2265

■ 43.0161, 74.9858,
24.6774

■ 39.6961, 73.3946,
19.0843

■ 37.4902, 72.3396,
15.2669

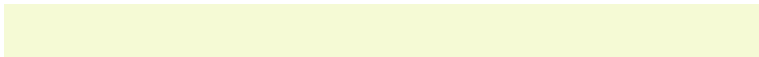
■ 36.2532, 71.7506,
13.0113

■ 35.8051, 71.5380,
12.1574

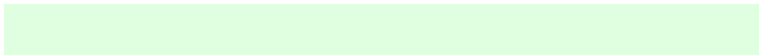
Harmonies

Analogous

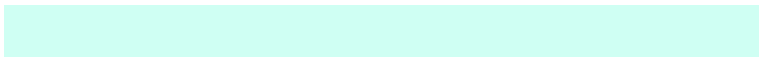
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9990, 92.8035, 76.5673



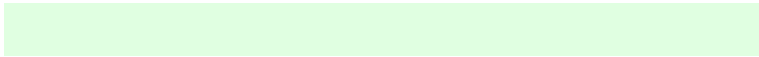
80.0911, 92.8035, 84.9258



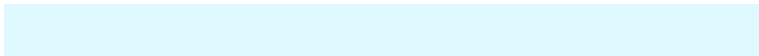
78.3628, 92.8035, 98.2923

Triad

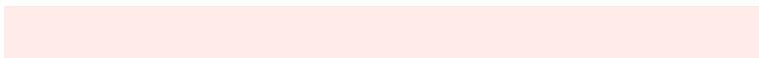
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0911, 92.8035, 84.9258



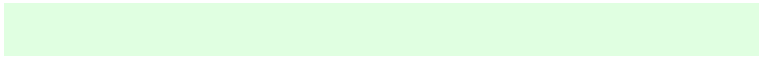
87.2397, 92.8035, 133.2850



97.8903, 92.8035, 89.2873

Complementary

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



80.0911, 92.8035, 84.9258



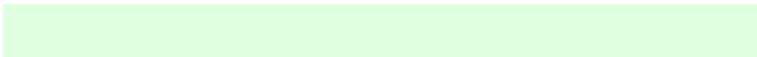
85.7854, 81.7279, 105.0193

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.



98.8429, 92.8035, 103.8532



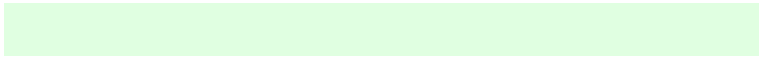
80.0911, 92.8035, 84.9258



92.5531, 92.8035, 130.2571

Square

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



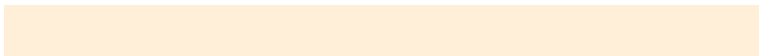
80.0911, 92.8035, 84.9258



82.3819, 92.8035, 126.9915



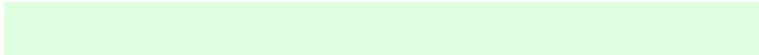
96.8533, 92.8035, 119.0897



94.3003, 92.8035, 78.9015

Rectangle

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



80.0911, 92.8035, 84.9258



78.6266, 92.8035, 108.6426



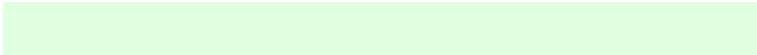
96.8533, 92.8035, 119.0897



98.5355, 92.8035, 93.8144

Sweetspot

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



80.0919, 92.8039, 84.9272



89.8476, 97.4970, 100.5729



90.2650, 98.0641, 84.6930



19.0283, 20.7708, 21.2019



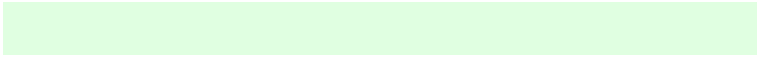
0.0000, 0.0000, 0.0000



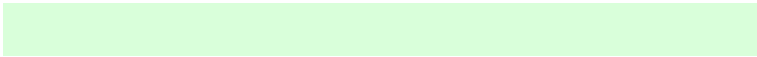
20.3446, 21.4041, 23.3091

Same Dimension

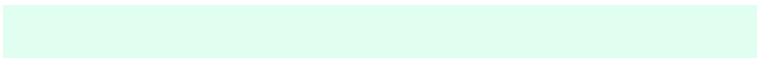
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0919, 92.8039, 84.9272



76.9539, 91.2946, 79.8846



82.2318, 93.6599, 96.1958



17.7953, 20.1777, 19.2252



18.7192, 37.3843, 6.4065



1.8306, 3.6432, 0.6658

Inverse Universe

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



85.7854, 81.7279, 105.0193



83.8403, 77.8977, 104.1862



83.4738, 80.8033, 92.8462



18.7659, 18.2897, 22.6501



30.3140, 14.6149, 47.1655



2.9592, 1.4261, 4.6326

Previews

White Background



This preview shows how the XYZ color 80.0911, 92.8035, 84.9258 looks on a white background.

Color Contrast Check

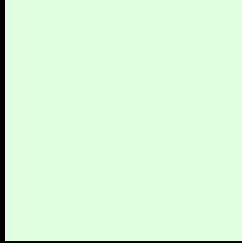
Large Text (above 18pt) WCAG AA × Fail

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 80.0911, 92.8035, 84.9258 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

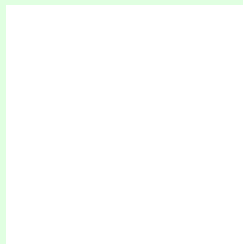
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0911, 92.8035, 84.9258

Background



This preview shows how black text looks on a background with the XYZ color 80.0911, 92.8035, 84.9258.



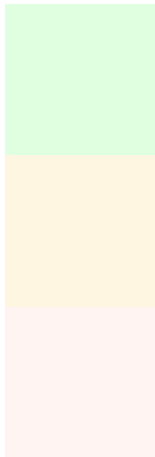
This preview shows how white text looks on a background with the XYZ color 80.0911, 92.8035,

84.9258.

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

80.0911, 92.8035, 84.9258

Protanopia

87.7864, 92.6078, 84.4824

Deuteranopia

89.6177, 92.3722, 97.1107



Tritanopia

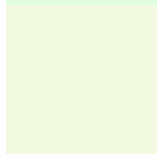
87.5864, 92.4423, 107.8346

Trichromacy



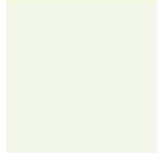
Original Color

80.0911, 92.8035, 84.9258



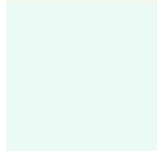
Protanomaly

84.7745, 92.4207, 84.6050



Deuteranomaly

86.0160, 92.4240, 92.6630



Tritanomaly

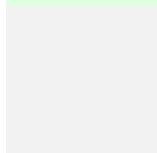
84.7757, 92.5650, 98.9866

Monochromacy



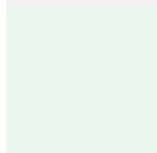
Original Color

80.0911, 92.8035, 84.9258



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.6620, 90.2398, 92.4182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0911, 92.8035, 84.9258 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(224, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 225)  
}
```

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(224, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 80.0911, 92.8035, 84.9258 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(224, 255, 225) }
```


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

```
.border{ border-color:rgb(224, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0911, 92.8035, 84.9258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 225) }
```

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

```
.background{ background-color: rgb(224,  
255, 225) }
```

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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