

Converting Colors

XYZ(80.3075, 92.9351, 84.0328)

Have a look what the booklet for
XYZ(80.3075, 92.9351, 84.0328)
contains.

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Color

**XYZ(80.2659, 92.9094,
84.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFE0
RGB	225, 255, 224
RGB Percent	88%, 100%, 88%
CMY	0.1176, 0.0000, 0.1216
CMYK	0.12, 0.00, 0.12, 0.00
HSL	118°, 100%, 94%
HSV	118°, 12%, 100%
XYZ	80.2659, 92.9094, 84.2238
YIQ	242.4960, -7.9290, -16.0010

Conversions

Conversions Part 2

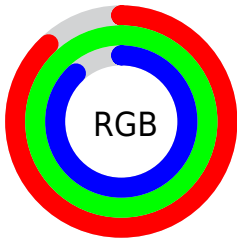
Format	Color
RYB	224, 255, 254
Decimal	14811104
CIELab	97.19, -15.28, 11.56
CIELCh	97, 19.166, 142.888
Yxy	92.9094, 0.3118, 0.3610
Android (android.graphics.Color)	4293001184 (0xFFE1FFE0)
YUV	242.4960, -9.1185, -15.3440
Hunter-Lab	96.3895, -20.0404, 15.6659

Details

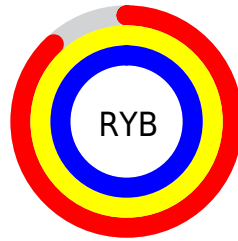
The XYZ color **80.2659, 92.9094, 84.2238** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85.5794, 81.6032, 105.8482**, and the grayscale version is **84.8651, 89.2847, 97.2311**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9331, 51.7988, 45.2188** is the 20% darker color. If you saturate the color by 10%, you get **69.9170, 87.9444, 67.0201**, and if you desaturate by 10%, it is **92.2468, 98.6557, 104.2140**.

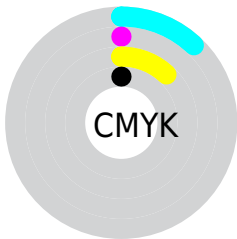
Distribution



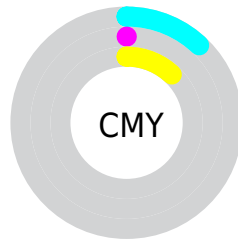
- Red (88%)
- Green (100%)
- Blue (88%)



- 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 80.2659, 92.9094, 84.2238 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 80.2659, 92.9094, 84.2238 by changing the saturation by 10% instead.

 80.2659, 92.9094,
84.2238

 80.2659, 92.9094,
84.2238


484.5514,
537.4503, 529.1336

 60.2464, 70.3962,
62.6538

132.6881,
151.3732, 141.1527

 43.8675, 51.8496,
45.1220


165.8215,
188.0925, 177.3487

 30.7638, 36.8852,
31.2099


204.0569,
230.3161, 219.2570

 20.5700, 25.1186,
20.4989

247.7596,
278.4282, 267.2963

 12.9207, 16.1655,
12.5705

297.2951,
332.8133, 321.8851

 7.4506, 9.6413,
7.0063

353.0286,

 3.7943, 5.1618,

393.8557, 383.4418

3.3875

415.3256,
461.9399, 452.3852

■ 1.5864, 2.3425,
1.2957

■ 0.3835, 0.7961,
0.0583

■ 80.2659, 92.9094,
84.2238

■ 80.2659, 92.9094,
84.2238

■ 69.9170, 87.9444,
67.0201

■ 92.2468, 98.6557,
104.2140

■ 61.1276, 83.7261,
52.4751

95.0500, 100.0000,
108.9000

■ 53.8226, 80.2187,
40.4577

■ 47.9201, 77.3829,
30.8237

■ 43.3302, 75.1760,
23.4146

■ 39.9527, 73.5500,
18.0524

■ 37.6729, 72.4503,
14.5323

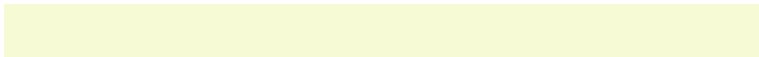
■ 36.3538, 71.8115,
12.6069

■ 35.8629, 71.5731,
11.9248

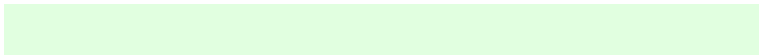
Harmonies

Analogous

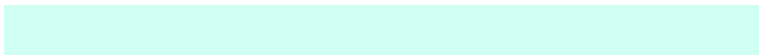
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3216, 92.9094, 76.1141



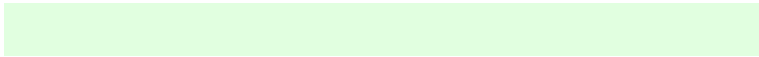
80.2659, 92.9094, 84.2238



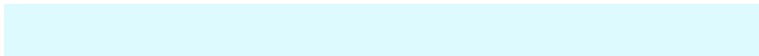
78.3782, 92.9094, 97.5170

Triad

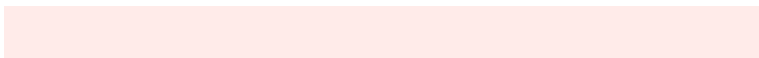
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2659, 92.9094, 84.2238



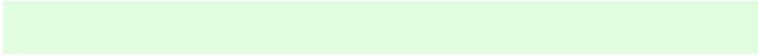
87.0253, 92.9094, 133.7132



98.2462, 92.9094, 90.0080

Complementary

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



80.2659, 92.9094, 84.2238



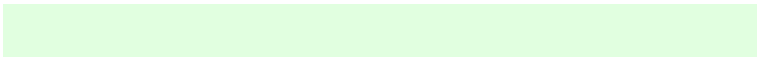
85.5794, 81.6032, 105.8482

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.



99.0421, 92.9094, 104.8978



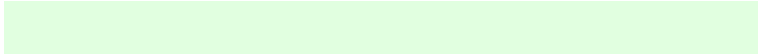
80.2659, 92.9094, 84.2238



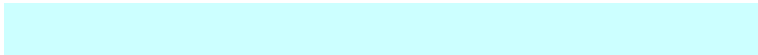
92.4172, 92.9094, 131.1795

Square

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



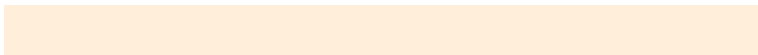
80.2659, 92.9094, 84.2238



82.1760, 92.9094, 126.8401



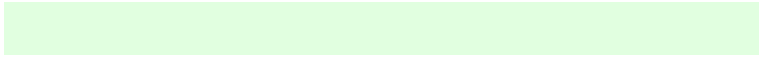
96.8692, 92.9094, 120.2325



94.7369, 92.9094, 79.2077

Rectangle

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



80.2659, 92.9094, 84.2238



78.5465, 92.9094, 107.9568



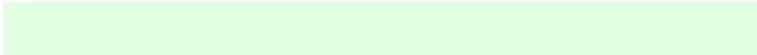
96.8692, 92.9094, 120.2325



98.8457, 92.9094, 94.6595

Sweetspot

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



80.2666, 92.9097, 84.2252



89.9121, 97.5360, 100.3137



90.1261, 97.5044, 84.5924



19.0445, 20.7806, 21.1367



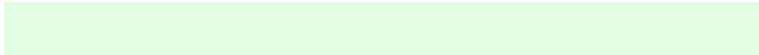
0.0000, 0.0000, 0.0000



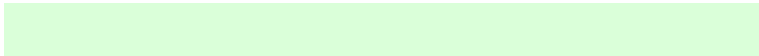
20.3446, 21.4041, 23.3091

Same Dimension

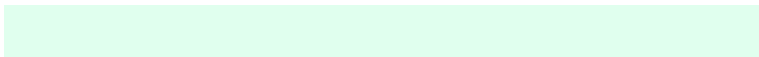
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2666, 92.9097, 84.2252



77.1604, 91.4196, 79.0542



82.0025, 93.5682, 94.9881



17.8257, 20.1961, 19.1030



18.7626, 37.4105, 6.2321



1.8451, 3.6519, 0.6076

Inverse Universe

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



85.5794, 81.6032, 105.8482



83.5861, 77.7437, 105.2083



83.7038, 80.8954, 94.0575



18.7313, 18.2688, 22.7889



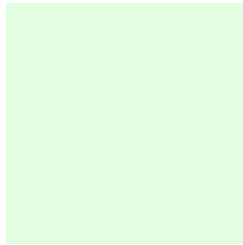
29.4591, 14.0972, 50.6029



2.8858, 1.3816, 4.9278

Previews

White Background



This preview shows how the XYZ color 80.2659, 92.9094, 84.2238 looks on a white background.

Color Contrast Check

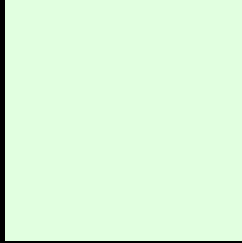
Large Text (above 18pt) WCAG AA × Fail

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 80.2659, 92.9094, 84.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

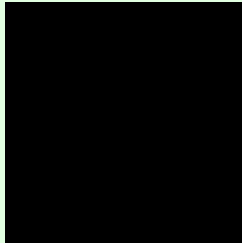
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

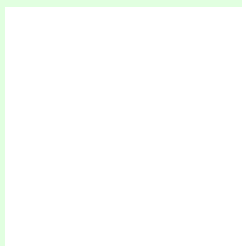
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2659, 92.9094, 84.2238

Background



This preview shows how black text looks on a background with the XYZ color 80.2659, 92.9094, 84.2238.



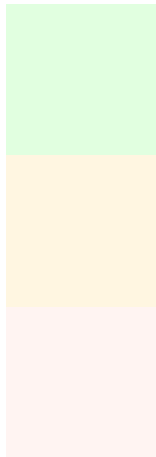
This preview shows how white text looks on a background with the XYZ color 80.2659, 92.9094,

84.2238.

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

80.2659, 92.9094, 84.2238

Protanopia

87.7864, 92.6078, 84.4824

Deuteranopia

89.6177, 92.3722, 97.1107



Tritanopia

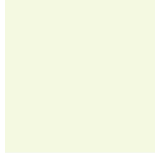
87.5864, 92.4423, 107.8346

Trichromacy



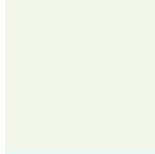
Original Color

80.2659, 92.9094, 84.2238



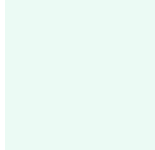
Protanomaly

84.7745, 92.4207, 84.6050



Deuteranomaly

85.8710, 92.3661, 91.8998



Tritanomaly

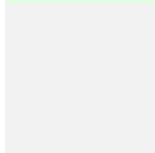
84.7757, 92.5650, 98.9866

Monochromacy



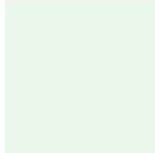
Original Color

80.2659, 92.9094, 84.2238



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.8482, 90.3526, 91.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2659, 92.9094, 84.2238 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(225, 255, 224)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 80.2659, 92.9094, 84.2238 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(225, 255, 224) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 80.2659, 92.9094, 84.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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