

Converting Colors

XYZ(83.7818, 100.0000,
88.8013)

Have a look what the booklet for
XYZ(83.7818, 100.0000, 88.8013)
contains.

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Color

**XYZ(80.3343, 92.8651,
87.8194)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFE5
RGB	223, 255, 229
RGB Percent	87%, 100%, 90%
CMY	0.1255, 0.0000, 0.1020
CMYK	0.13, 0.00, 0.10, 0.00
HSL	131°, 100%, 94%
HSV	131°, 13%, 100%
XYZ	80.3343, 92.8651, 87.8194
YIQ	242.4680, -10.7260, -14.8700

Conversions

Conversions Part 2

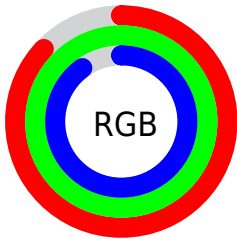
Format	Color
R_{YB}	223, 250, 255
Decimal	14680037
CIE _{Lab}	97.17, -15.07, 8.96
CIE _{LCh}	97, 17.532, 149.278
Yxy	92.8651, 0.3078, 0.3558
Android (android.graphics.Color)	4292870117 (0xFFDFFFE5)
YUV	242.4680, -6.6397, -17.0734
Hunter-Lab	96.3665, -19.8380, 13.4252

Details

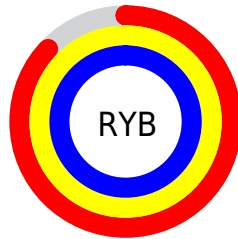
The XYZ color **80.3343, 92.8651, 87.8194** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.7270, 80.8758, 100.7674**, and the grayscale version is **84.8255, 89.2431, 97.1857**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9825, 51.7690, 47.7187** is the 20% darker color. If you saturate the color by 10%, you get **70.3377, 88.0262, 73.1411**, and if you desaturate by 10%, it is **91.8610, 98.4529, 104.3744**.

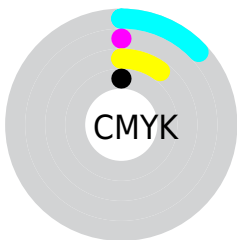
Distribution



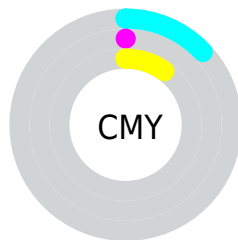
- Red (87%)
- Green (100%)
- Blue (90%)



- Red (87%)
- Yellow (98%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3343, 92.8651, 87.8194 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 80.3343, 92.8651, 87.8194 by changing the saturation by 10% instead.


 80.3343, 92.8651,
87.8194

 80.3343, 92.8651,
87.8194


484.7781,
537.3075, 541.2976

 60.3029, 70.3594,
65.6100

132.7837,
151.3118, 146.2146

 43.9132, 51.8196,
47.5014


165.9324,
188.0216, 183.2376

 30.7999, 36.8613,
33.0750


204.1843,
230.2349, 226.0354

 20.5976, 25.1001,
21.9123

247.9046,
278.3361, 275.0267

 12.9410, 16.1517,
13.5948

297.4588,
332.7096, 330.6301

 7.4646, 9.6315,
7.7039

353.2122,

 3.8032, 5.1553,

393.7397, 393.2640

3.8210

415.5302,
461.8109, 463.3470

■ 1.5914, 2.3387,
1.5277

■ 0.3868, 0.7941,
0.2384

■ 80.3343, 92.8651,
87.8194

■ 80.3343, 92.8651,
87.8194

■ 70.3377, 88.0262,
73.1411

■ 91.8610, 98.4529,
104.3744

■ 61.8039, 83.9030,
60.2690

95.0500, 100.0000,
108.9000

■ 54.6643, 80.4614,
49.1345

■ 48.8437, 77.6644,
39.6629

■ 44.2595, 75.4710,
31.7743

■ 40.8199, 73.8357,
25.3820

■ 38.4196, 72.7063,
20.3908

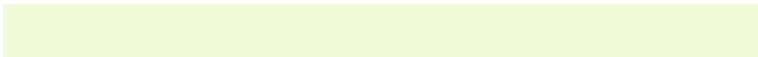
■ 36.9329, 72.0202,
16.6948

■ 36.2897, 71.7319,
14.7094

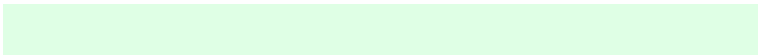
Harmonies

Analogous

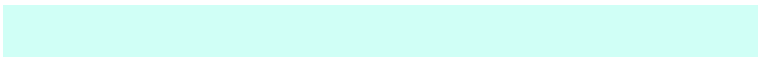
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6925, 92.8651, 79.1547



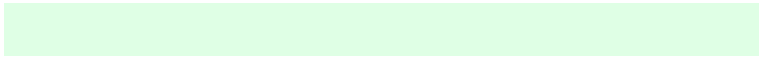
80.3343, 92.8651, 87.8194



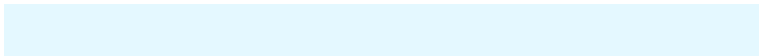
79.0871, 92.8651, 100.7713

Triad

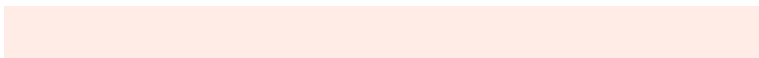
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3343, 92.8651, 87.8194



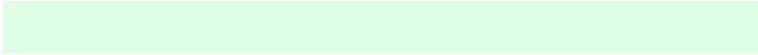
88.1456, 92.8651, 130.8901



96.8297, 92.8651, 88.3619

Complementary

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



80.3343, 92.8651, 87.8194



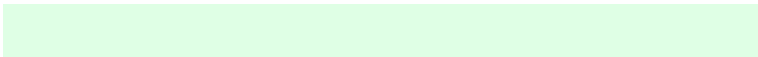
84.7270, 80.8758, 100.7674

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.



98.1278, 92.8651, 101.4581



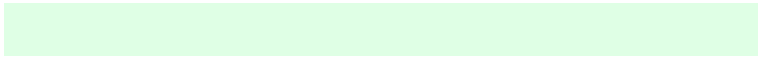
80.3343, 92.8651, 87.8194



93.0021, 92.8651, 126.8005

Square

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



80.3343, 92.8651, 87.8194



83.4923, 92.8651, 126.4016



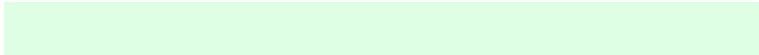
96.7022, 92.8651, 115.6875



93.2173, 92.8651, 79.4467

Rectangle

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



80.3343, 92.8651, 87.8194



79.5835, 92.8651, 110.3826



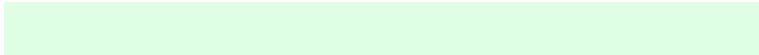
96.7022, 92.8651, 115.6875



97.5571, 92.8651, 92.3799

Sweetspot

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



80.3351, 92.8655, 87.8209



90.0906, 97.5942, 101.8527



88.1941, 97.0121, 83.8902



19.0895, 20.7953, 21.5244



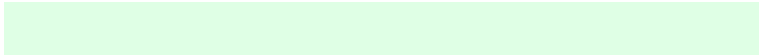
0.0000, 0.0000, 0.0000



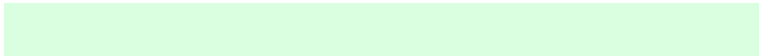
20.3446, 21.4041, 23.3091

Same Dimension

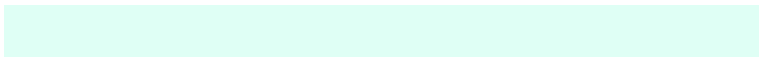
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3351, 92.8655, 87.8209



77.7450, 91.6110, 84.0510



82.6531, 93.7927, 100.0275



17.9107, 20.2238, 19.8327



19.0017, 37.4973, 7.8943



1.8854, 3.6651, 0.9544

Inverse Universe

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



84.7270, 80.8758, 100.7674



82.9050, 77.5235, 99.2607



82.3554, 79.9272, 88.2785



18.6380, 18.2385, 21.9767



27.4978, 13.4884, 32.3356



2.7134, 1.3277, 3.3380

Previews

White Background



This preview shows how the XYZ color 80.3343, 92.8651, 87.8194 looks on a white background.

Color Contrast Check

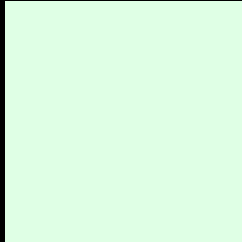
Large Text (above 18pt) WCAG AA × Fail

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 80.3343, 92.8651, 87.8194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

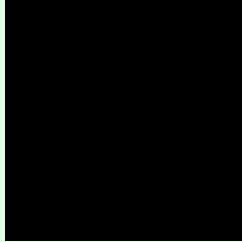
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

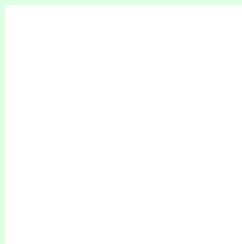
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3343, 92.8651, 87.8194

Background



This preview shows how black text looks on a background with the XYZ color 80.3343, 92.8651, 87.8194.



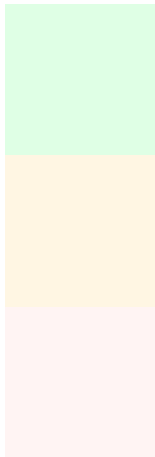
This preview shows how white text looks on a background with the XYZ color 80.3343, 92.8651,

87.8194.

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

80.3343, 92.8651, 87.8194

Protanopia

88.0609, 92.7176, 85.9280

Deuteranopia

89.7683, 92.4324, 97.9040



Tritanopia

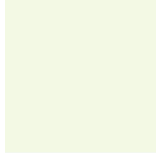
87.5864, 92.4423, 107.8346

Trichromacy



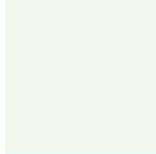
Original Color

80.3343, 92.8651, 87.8194



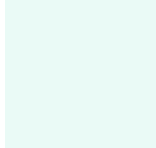
Protanomaly

84.8414, 92.4075, 86.7636



Deuteranomaly

85.9622, 92.3625, 94.1860



Tritanomaly

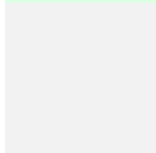
84.7518, 92.5175, 100.5795

Monochromacy



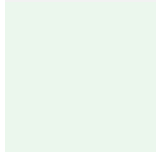
Original Color

80.3343, 92.8651, 87.8194



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.8078, 90.2981, 93.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3343, 92.8651, 87.8194 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(223, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 229)  
}
```

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(223, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 80.3343, 92.8651, 87.8194 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(223, 255, 229) }
```


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

```
.border{ border-color:rgb(223, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3343, 92.8651, 87.8194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 229) }
```

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

```
.background{ background-color: rgb(223,  
255, 229) }
```

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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