

Converting Colors

XYZ(84.0215, 100.0000,
92.2880)

Have a look what the booklet for
XYZ(84.0215, 100.0000, 92.2880)
contains.

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Color

**XYZ(80.2868, 92.7753,
90.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>DDFFE9</code>
RGB	<code>221, 255, 233</code>
RGB Percent	<code>87%, 100%, 91%</code>
CMY	<code>0.1333, 0.0000, 0.0863</code>
CMYK	<code>0.13, 0.00, 0.09, 0.00</code>
HSL	<code>141°, 100%, 93%</code>
HSV	<code>141°, 13%, 100%</code>
XYZ	<code>80.2868, 92.7753, 90.7667</code>
YIQ	<code>242.3260, -13.2020, -14.0500</code>

Conversions

Conversions Part 2

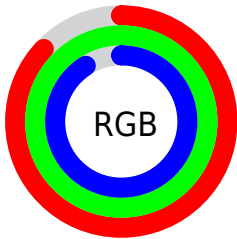
Format	Color
R _Y B	221, 246, 255
Decimal	14548969
CIE Lab	97.14, -15.01, 6.83
CIE LCh	97, 16.491, 155.517
Yxy	92.7753, 0.3043, 0.3516
Android (android.graphics.Color)	4292739049 (0xFFDDFFE9)
YUV	242.3260, -4.5977, -18.7029
Hunter-Lab	96.3199, -19.7725, 11.5523

Details

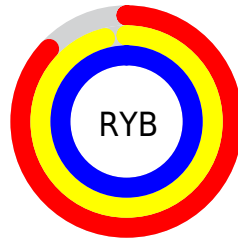
The XYZ color **80.2868, 92.7753, 90.7667** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.2746, 79.4450, 95.7394**, and the grayscale version is **84.6987, 89.1096, 97.0403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8558, 51.6695, 49.2567** is the 20% darker color. If you saturate the color by 10%, you get **70.8554, 88.1730, 78.5915**, and if you desaturate by 10%, it is **91.1196, 98.0746, 104.1609**.

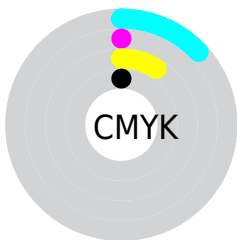
Distribution



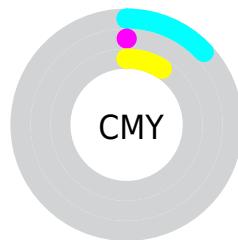
- Red (87%)
- Green (100%)
- Blue (91%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2868, 92.7753, 90.7667 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 80.2868, 92.7753, 90.7667 by changing the saturation by 10% instead.


 80.2868, 92.7753,
90.7667

 80.2868, 92.7753,
90.7667


484.6207,
537.0180, 551.1561

 60.2637, 70.2848,
68.0394


132.7173,
151.1875, 150.3477

 43.8815, 51.7587,
49.4629


165.8554,
187.8779, 188.0386

 30.7748, 36.8128,
34.6186


204.0958,
230.0704, 231.5543

 20.5784, 25.0626,
23.0881

247.8039,
278.1494, 281.3136

 12.9269, 16.1237,
14.4526

297.3451,
332.4993, 337.7348

 7.4549, 9.6117,
8.2938

353.0847,

 3.7970, 5.1423,

393.5044, 401.2366

4.1931

415.3881,
461.5492, 472.2375

■ 1.5880, 2.3310,
1.7318

■ 0.3845, 0.7900,
0.3824

■ 80.2868, 92.7753,
90.7667

■ 80.2868, 92.7753,
90.7667

■ 70.8554, 88.1730,
78.5915

■ 91.1196, 98.0746,
104.1609

■ 62.7637, 84.2365,
67.5967

95.0500, 100.0000,
108.9000

■ 55.9492, 80.9345,
57.7481

■ 50.3434, 78.2322,
49.0082

■ 45.8709, 76.0917,
41.3372

■ 42.4475, 74.4704,
34.6932

■ 39.9762, 73.3192,
29.0310

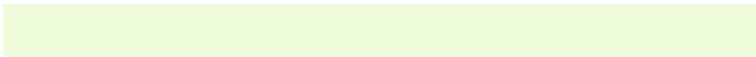
■ 38.3405, 72.5789,
24.3019

■ 37.6057, 72.2583,
21.6393

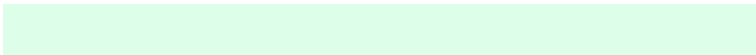
Harmonies

Analogous

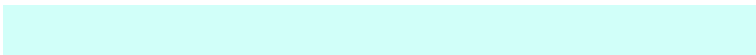
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0846, 92.7753, 81.5655



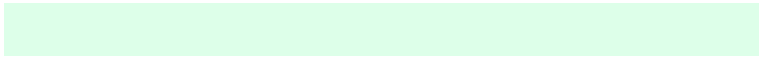
80.2868, 92.7753, 90.7667



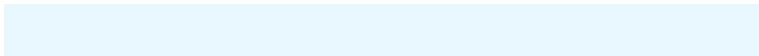
79.5722, 92.7753, 103.4997

Triad

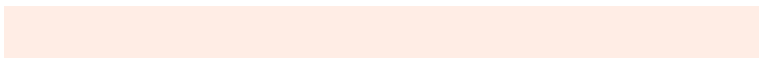
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2868, 92.7753, 90.7667



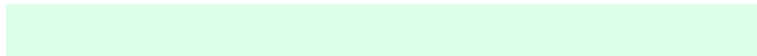
89.0430, 92.7753, 128.7237



95.6637, 92.7753, 86.8519

Complementary

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



80.2868, 92.7753, 90.7667



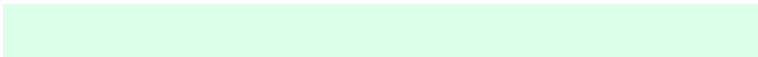
83.2746, 79.4450, 95.7394

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.



97.3875, 92.7753, 98.5734



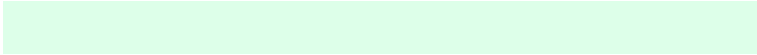
80.2868, 92.7753, 90.7667



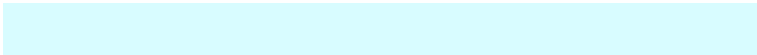
93.4798, 92.7753, 123.3374

Square

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



80.2868, 92.7753, 90.7667



84.5245, 92.7753, 126.1726



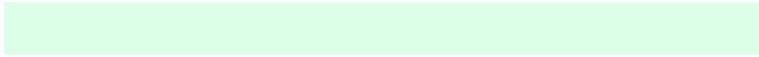
96.5746, 92.7753, 112.0103



91.9397, 92.7753, 79.4483

Rectangle

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



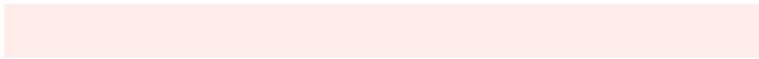
80.2868, 92.7753, 90.7667



80.3509, 92.7753, 112.4597



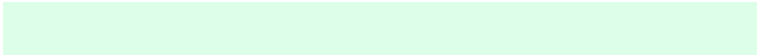
96.5746, 92.7753, 112.0103



96.5021, 92.7753, 90.3772

Sweetspot

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



80.2876, 92.7758, 90.7682



90.3519, 97.6987, 103.2285



85.8083, 95.8132, 82.3792



19.1555, 20.8217, 21.8716



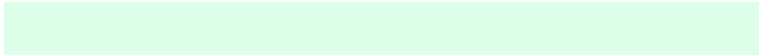
0.0000, 0.0000, 0.0000



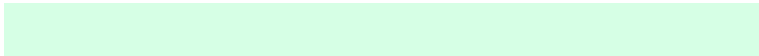
20.3446, 21.4041, 23.3091

Same Dimension

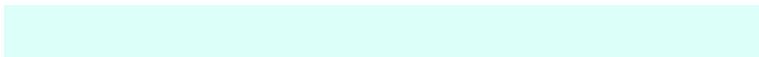
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2876, 92.7758, 90.7682



77.6371, 91.4811, 87.4026



82.8191, 93.7883, 104.0985



18.0363, 20.2741, 20.4943



19.7137, 37.7821, 11.6435



1.9690, 3.6985, 1.3948

Inverse Universe

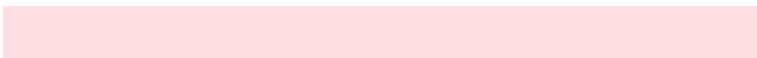
The Inverse Universe completely reimagines the original color for something new.



83.2746, 79.4450, 95.7394



81.1546, 75.7814, 93.2555



80.8384, 78.4705, 82.9103



18.5045, 18.1851, 21.2736



25.1708, 12.5576, 20.0819



2.5027, 1.2435, 2.2287

Previews

White Background



This preview shows how the XYZ color 80.2868, 92.7753, 90.7667 looks on a white background.

Color Contrast Check

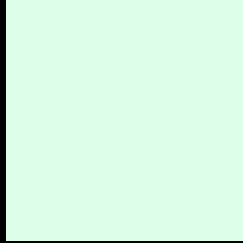
Large Text (above 18pt) WCAG AA × Fail

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 80.2868, 92.7753, 90.7667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

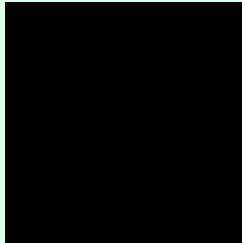
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

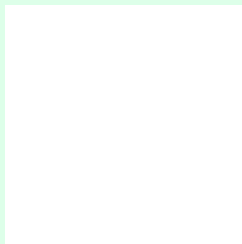
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2868, 92.7753, 90.7667

Background



This preview shows how black text looks on a background with the XYZ color 80.2868, 92.7753, 90.7667.



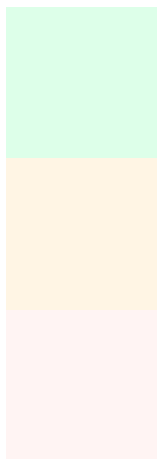
This preview shows how white text looks on a background with the XYZ color 80.2868, 92.7753,

90.7667.

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

80.2868, 92.7753, 90.7667

Protanopia

87.8960, 92.1663, 86.5560

Deuteranopia

89.7683, 92.4324, 97.9040

Tritanopia

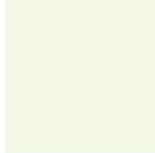
87.5526, 92.8801, 107.9209

Trichromacy



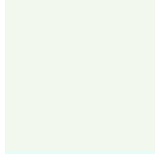
Original Color

80.2868, 92.7753, 90.7667



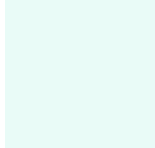
Protanomaly

85.1208, 92.5192, 88.2346



Deuteranomaly

86.1095, 92.4215, 94.9620



Tritanomaly

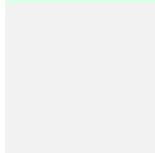
84.8900, 93.0334, 101.4788

Monochromacy



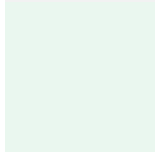
Original Color

80.2868, 92.7753, 90.7667



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7724, 90.2459, 94.7180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2868, 92.7753, 90.7667 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(221, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 233)  
}
```

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(221, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 80.2868, 92.7753, 90.7667 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(221, 255, 233) }
```


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

```
.border{ border-color:rgb(221, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2868, 92.7753, 90.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 233) }
```

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

```
.background{ background-color: rgb(221,  
255, 233) }
```

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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