

Converting Colors

XYZ(83.5955, 100.0000,
87.4443)

Have a look what the booklet for
XYZ(83.5955, 100.0000, 87.4443)
contains.

XYZ(80.0566, 92.7540, 86.3569)	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(80.0566, 92.7540,
86.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFE3
RGB	223, 255, 227
RGB Percent	87%, 100%, 89%
CMY	0.1255, 0.0000, 0.1098
CMYK	0.13, 0.00, 0.11, 0.00
HSL	128°, 100%, 94%
HSV	128°, 13%, 100%
XYZ	80.0566, 92.7540, 86.3569
YIQ	242.2400, -10.0840, -15.4920

Conversions

Conversions Part 2

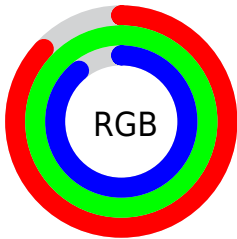
Format	Color
R _Y B	223, 251, 255
Decimal	14680035
CIE Lab	97.13, -15.42, 9.92
CIE LCh	97, 18.337, 147.255
Yxy	92.7540, 0.3089, 0.3579
Android (android.graphics.Color)	4292870115 (0xFFDFFE3)
YUV	242.2400, -7.5133, -16.8735
Hunter-Lab	96.3089, -20.1627, 14.2529

Details

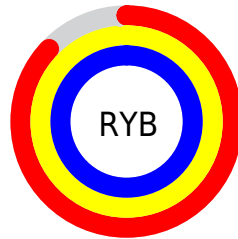
The XYZ color **80.0566, 92.7540, 86.3569** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85.0407, 81.0014, 102.4194**, and the grayscale version is **84.6511, 89.0595, 96.9858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7889, 51.6916, 46.6993** is the 20% darker color. If you saturate the color by 10%, you get **69.8996, 87.8510, 70.8342**, and if you desaturate by 10%, it is **91.7975, 98.4275, 104.0398**.

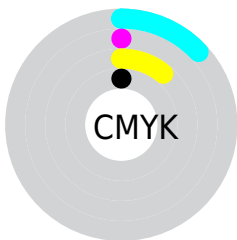
Distribution



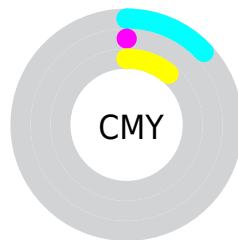
- Red (87%)
- Green (100%)
- Blue (89%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0566, 92.7540, 86.3569 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 80.0566, 92.7540, 86.3569 by changing the saturation by 10% instead.


 80.0566, 92.7540,
86.3569

 80.0566, 92.7540,
86.3569


483.8572,
536.9494, 536.3685

 60.0736, 70.2671,
64.4066


132.3954,
151.1580, 144.1584

 43.7276, 51.7443,
46.5318


165.4819,
187.8438, 180.8466

 30.6534, 36.8013,
32.3139


203.6669,
230.0314, 223.2845

 20.4856, 25.0537,
21.3346

247.3158,
278.1051, 271.8907

 12.8588, 16.1170,
13.1752

296.7939,
332.4494, 327.0836

 7.4077, 9.6070,
7.4171

352.4666,

 3.7670, 5.1392,

393.4486, 389.2819

3.6419

414.6992,
461.4871, 458.9040

■ 1.5712, 2.3292,
1.4310

■ 0.3735, 0.7891,
0.1658

■ 80.0566, 92.7540,
86.3569

■ 80.0566, 92.7540,
86.3569

■ 69.8996, 87.8510,
70.8342

■ 91.7975, 98.4275,
104.0398

■ 61.2562, 83.6839,
57.3848

95.0500, 100.0000,
108.9000

■ 54.0543, 80.2174,
45.9221

■ 48.2150, 77.4129,
36.3521

■ 43.6516, 75.2278,
28.5727

■ 40.2674, 73.6148,
22.4725

■ 37.9518, 72.5192,
17.9277

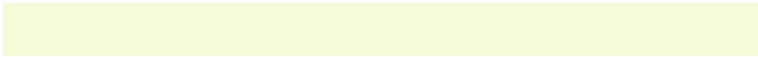
■ 36.5726, 71.8761,
14.7970

■ 36.0190, 71.6236,
13.2841

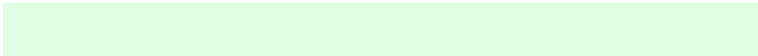
Harmonies

Analogous

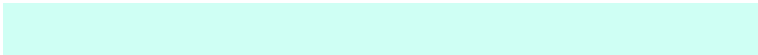
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6833, 92.7540, 77.7296



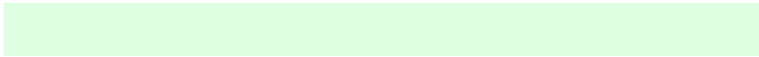
80.0566, 92.7540, 86.3569



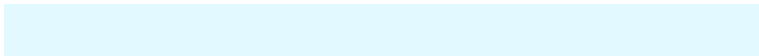
78.5942, 92.7540, 99.6355

Triad

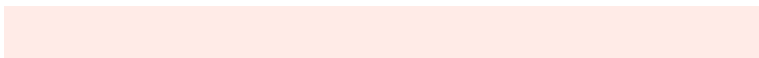
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0566, 92.7540, 86.3569



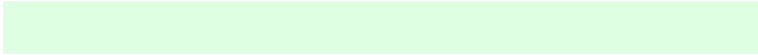
87.6845, 92.7540, 132.1992



97.3001, 92.7540, 88.5028

Complementary

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



80.0566, 92.7540, 86.3569



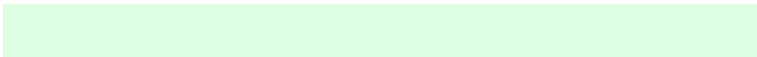
85.0407, 81.0014, 102.4194

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.



98.4718, 92.7540, 102.3635



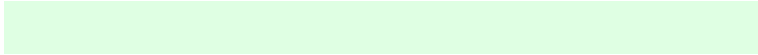
80.0566, 92.7540, 86.3569



92.7934, 92.7540, 128.4894

Square

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



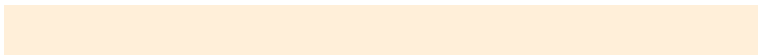
80.0566, 92.7540, 86.3569



82.8890, 92.7540, 126.8945



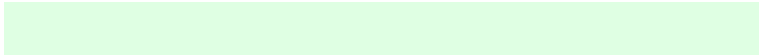
96.7923, 92.7540, 117.1966



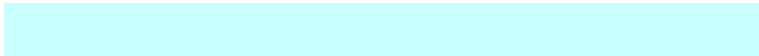
93.6496, 92.7540, 78.8808

Rectangle

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



80.0566, 92.7540, 86.3569



78.9990, 92.7540, 109.6801



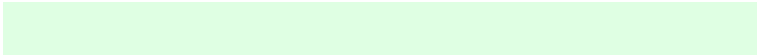
96.7923, 92.7540, 117.1966



98.0030, 92.7540, 92.7778

Sweetspot

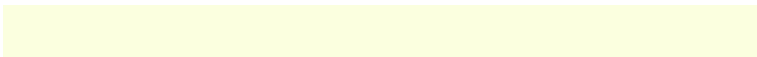
The Sweet Spot groups the original color and five complimentary colors.



80.0574, 92.7544, 86.3584



89.9925, 97.5550, 101.3361



88.9594, 97.4066, 83.9260



19.0648, 20.7854, 21.3942



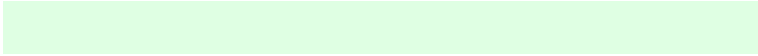
0.0000, 0.0000, 0.0000



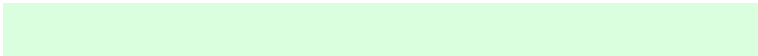
20.3446, 21.4041, 23.3091

Same Dimension

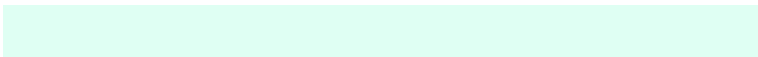
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0574, 92.7544, 86.3584



77.4231, 91.4823, 82.3558



82.3295, 93.6633, 98.3232



17.8639, 20.2051, 19.5865



18.8493, 37.4363, 7.0916



1.8630, 3.6561, 0.8364

Inverse Universe

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



85.0407, 81.0014, 102.4194



83.2781, 77.6728, 101.2252



82.6623, 80.0500, 89.8947



18.6892, 18.2590, 22.2462



28.5555, 13.9115, 37.9053



2.8066, 1.3650, 3.8289

Previews

White Background



This preview shows how the XYZ color 80.0566, 92.7540, 86.3569 looks on a white background.

Color Contrast Check

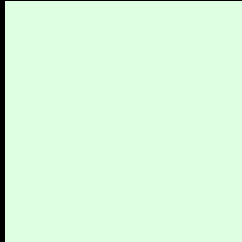
Large Text (above 18pt) WCAG AA × Fail

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 80.0566, 92.7540, 86.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

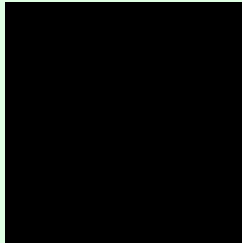
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

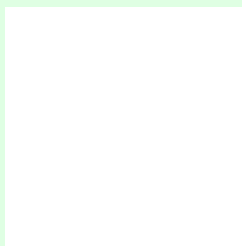
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0566, 92.7540, 86.3569

Background



This preview shows how black text looks on a background with the XYZ color 80.0566, 92.7540, 86.3569.



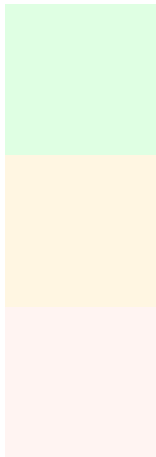
This preview shows how white text looks on a background with the XYZ color 80.0566, 92.7540,

86.3569.

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

80.0566, 92.7540, 86.3569

Protanopia

87.9232, 92.6625, 85.2031

Deuteranopia

89.6177, 92.3722, 97.1107



Tritanopia

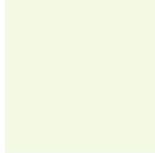
87.2459, 92.2668, 107.8187

Trichromacy



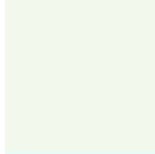
Original Color

80.0566, 92.7540, 86.3569



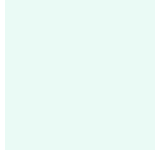
Protanomaly

84.5653, 92.2970, 85.3095



Deuteranomaly

85.8156, 92.3039, 93.4142



Tritanomaly

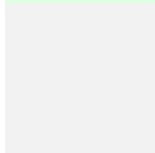
84.5987, 92.4562, 99.7732

Monochromacy



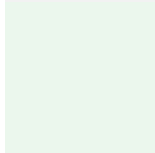
Original Color

80.0566, 92.7540, 86.3569



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 80.0566, 92.7540, 86.3569 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.0566, 92.7540, 86.3569 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, 227) }
```


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

```
.border{ border-color:rgb(223, 255, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0566, 92.7540, 86.3569 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, 227) }
```

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

```
.background{ background-color: rgb(223,  
255, 227) }
```

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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