

Converting Colors

XYZ(84.2841, 100.0000,
95.1931)

Have a look what the booklet for
XYZ(84.2841, 100.0000, 95.1931)
contains.

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Color

**XYZ(80.8649, 93.0066,
93.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF FED
RGB	221, 255, 237
RGB Percent	87%, 100%, 93%
CMY	0.1333, 0.0000, 0.0706
CMYK	0.13, 0.00, 0.07, 0.00
HSL	148°, 100%, 93%
HSV	148°, 13%, 100%
XYZ	80.8649, 93.0066, 93.8108
YIQ	242.7820, -14.4860, -12.8060

Conversions

Conversions Part 2

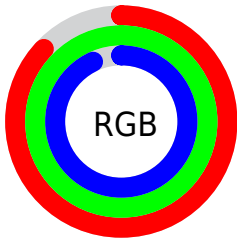
Format	Color
R _Y B	221, 244, 255
Decimal	14548973
CIE Lab	97.23, -14.28, 4.91
CIE LCh	97, 15.103, 161.009
Yxy	93.0066, 0.3021, 0.3475
Android (android.graphics.Color)	4292739053 (0xFFDDFFED)
YUV	242.7820, -2.8505, -19.1028
Hunter-Lab	96.4399, -19.0976, 9.8343

Details

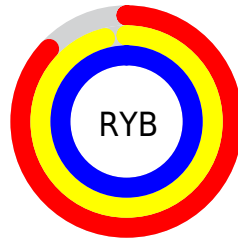
The XYZ color **80.8649, 93.0066, 93.8108** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.6770, 79.2060, 92.5922**, and the grayscale version is **85.0479, 89.4770, 97.4405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2605, 51.8314, 51.3877** is the 20% darker color. If you saturate the color by 10%, you get **71.7828, 88.5439, 83.4751**, and if you desaturate by 10%, it is **91.2764, 98.1374, 104.9867**.

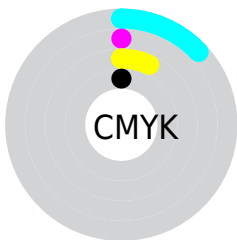
Distribution



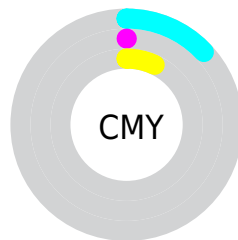
- Red (87%)
- Green (100%)
- Blue (93%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8649, 93.0066, 93.8108 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 80.8649, 93.0066, 93.8108 by changing the saturation by 10% instead.


 80.8649, 93.0066,
93.8108

 80.8649, 93.0066,
93.8108


486.5351,
537.7634, 561.2376

 60.7412, 70.4770,
70.5542


133.5252,
151.5077, 154.6021

 44.2681, 51.9155,
51.4989


166.7926,
188.2481, 192.9738

 31.0802, 36.9377,
36.2263


205.1719,
230.4941, 237.2210

 20.8120, 25.1593,
24.3179

249.0285,
278.6302, 287.7622

 13.0983, 16.1958,
15.3553

298.7278,
333.0408, 345.0159

 7.5738, 9.6628,
8.9197

354.6351,

 3.8729, 5.1760,

394.1103, 409.4007

4.5928

417.1157,
462.2230, 481.3351

■ 1.6305, 2.3509,
1.9558

■ 0.4122, 0.8004,
0.5279

■ 80.8649, 93.0066,
93.8108

■ 80.8649, 93.0066,
93.8108

■ 71.7828, 88.5439,
83.4751

■ 91.2764, 98.1374,
104.9867

■ 63.9712, 84.7196,
73.9557

95.0500, 100.0000,
108.9000

■ 57.3707, 81.5031,
65.2336

■ 51.9157, 78.8612,
57.2876

■ 47.5341, 76.7570,
50.0954

■ 44.1453, 75.1495,
43.6336

■ 41.6561, 73.9911,
37.8771

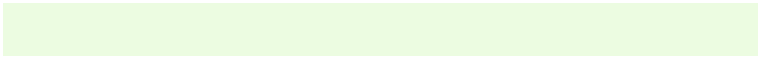
■ 39.9541, 73.2243,
32.7992

■ 39.1505, 72.8762,
29.7743

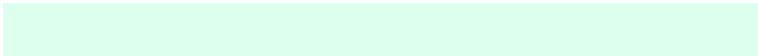
Harmonies

Analogous

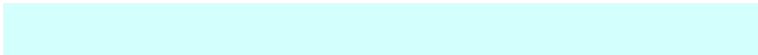
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1236, 93.0066, 84.5479



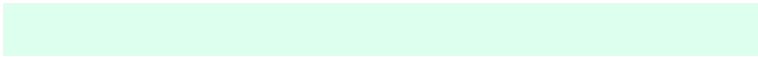
80.8649, 93.0066, 93.8108



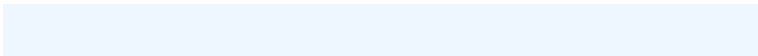
80.5866, 93.0066, 105.8231

Triad

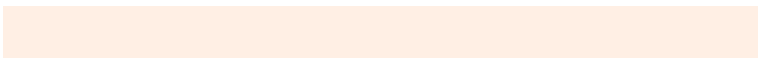
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8649, 93.0066, 93.8108



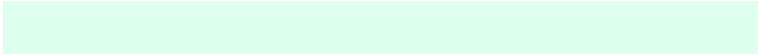
89.9764, 93.0066, 126.1354



94.7385, 93.0066, 86.6158

Complementary

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



80.8649, 93.0066, 93.8108



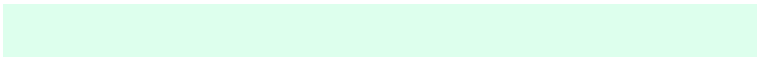
82.6770, 79.2060, 92.5922

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.



96.7028, 93.0066, 96.8462



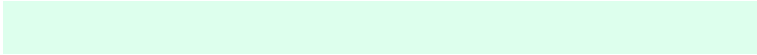
80.8649, 93.0066, 93.8108



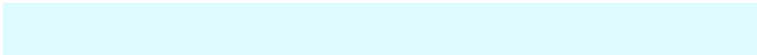
93.8950, 93.0066, 120.0597

Square

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



80.8649, 93.0066, 93.8108



85.7561, 93.0066, 125.1576



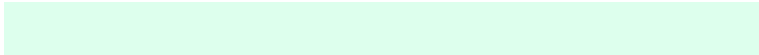
96.3892, 93.0066, 109.1111



91.0976, 93.0066, 80.6306

Rectangle

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



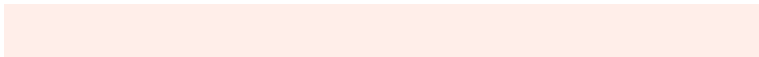
80.8649, 93.0066, 93.8108



81.5511, 93.0066, 113.8654



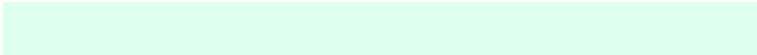
96.3892, 93.0066, 109.1111



95.6220, 93.0066, 89.6364

Sweetspot

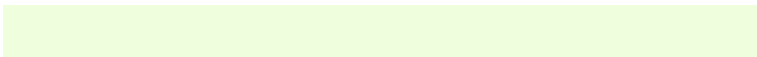
The Sweet Spot groups the original color and five complimentary colors.



80.8657, 93.0070, 93.8123



90.5391, 97.7736, 104.2144



84.4534, 95.1147, 82.3158



19.2028, 20.8406, 22.1208



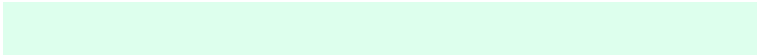
0.0000, 0.0000, 0.0000



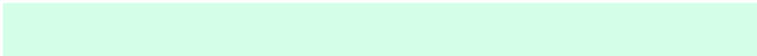
20.3446, 21.4041, 23.3091

Same Dimension

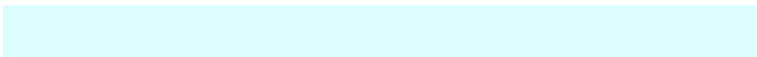
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8657, 93.0070, 93.8123



78.3153, 91.7524, 90.9738



83.4475, 94.0397, 107.4074



18.1274, 20.3105, 20.9739



20.5310, 38.1090, 15.9476



2.0537, 3.7324, 1.8406

Inverse Universe

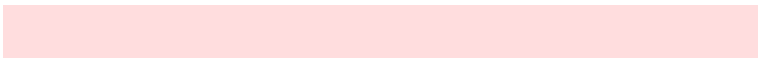
The Inverse Universe completely reimagines the original color for something new.



82.6770, 79.2060, 92.5922



80.4483, 75.4989, 89.5365



80.2999, 78.2551, 80.0748



18.4112, 18.1478, 20.7827



23.9098, 12.0532, 13.4414



2.3832, 1.1957, 1.5996

Previews

White Background



This preview shows how the XYZ color 80.8649, 93.0066, 93.8108 looks on a white background.

Color Contrast Check

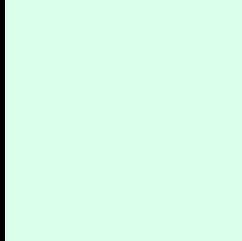
Large Text (above 18pt) WCAG AA × Fail

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 80.8649, 93.0066, 93.8108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

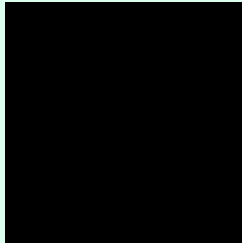
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

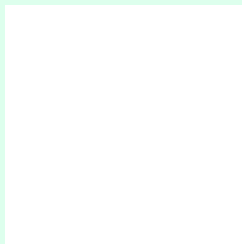
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8649, 93.0066, 93.8108

Background



This preview shows how black text looks on a background with the XYZ color 80.8649, 93.0066, 93.8108.



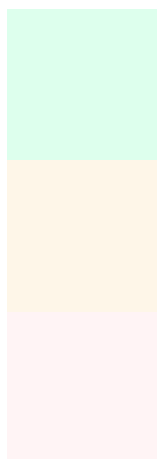
This preview shows how white text looks on a background with the XYZ color 80.8649, 93.0066,

93.8108.

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

80.8649, 93.0066, 93.8108

Protanopia

88.3943, 92.8086, 89.5989

Deuteranopia

90.0721, 92.5539, 99.5036



Tritanopia

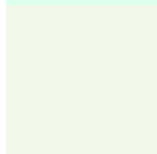
87.5526, 92.8801, 107.9209

Trichromacy



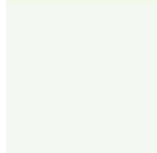
Original Color

80.8649, 93.0066, 93.8108



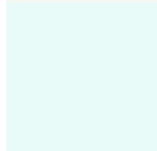
Protanomaly

85.3449, 92.5691, 91.2114



Deuteranomaly

86.5566, 92.6003, 97.3160



Tritanomaly

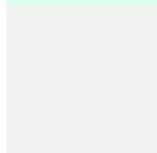
85.0447, 93.0953, 102.2938

Monochromacy



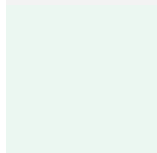
Original Color

80.8649, 93.0066, 93.8108



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3989, 90.5346, 96.2984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8649, 93.0066, 93.8108 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 80.8649, 93.0066, 93.8108 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, 237) }
```


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

```
.border{ border-color:rgb(221, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8649, 93.0066, 93.8108 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, 237) }
```

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

```
.background{ background-color: rgb(221,  
255, 237) }
```

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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