

Converting Colors

XYZ(84.2589, 100.0000,
99.3468)

Have a look what the booklet for
XYZ(84.2589, 100.0000, 99.3468)
contains.

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Color

**XYZ(80.8511, 92.8965,
98.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFF3
RGB	218, 255, 243
RGB Percent	85%, 100%, 95%
CMY	0.1451, 0.0000, 0.0471
CMYK	0.15, 0.00, 0.05, 0.00
HSL	161°, 100%, 93%
HSV	161°, 15%, 100%
XYZ	80.8511, 92.8965, 98.4635
YIQ	242.5690, -18.2000, -11.5760

Conversions

Conversions Part 2

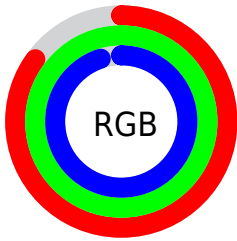
Format	Color
R _Y B	218, 240, 255
Decimal	14352371
CIE Lab	97.19, -14.12, 1.74
CIE LCh	97, 14.222, 172.964
Yxy	92.8965, 0.2970, 0.3413
Android (android.graphics.Color)	4292542451 (0xFFDAFFF3)
YUV	242.5690, 0.2125, -21.5470
Hunter-Lab	96.3828, -18.9346, 6.8981

Details

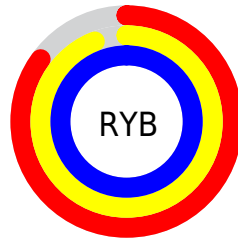
The XYZ color **80.8511, 92.8965, 98.4635** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5949, 77.1171, 85.5004**, and the grayscale version is **84.8573, 89.2765, 97.2221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2680, 51.7626, 54.6717** is the 20% darker color. If you saturate the color by 10%, you get **72.5823, 88.7748, 91.7044**, and if you desaturate by 10%, it is **90.3511, 97.6463, 105.5768**.

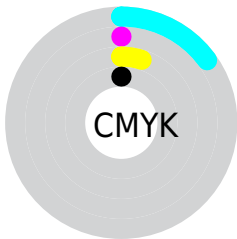
Distribution



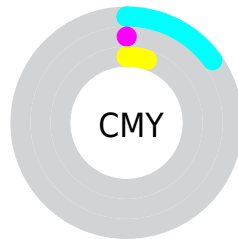
- Red (85%)
- Green (100%)
- Blue (95%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8511, 92.8965, 98.4635 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 80.8511, 92.8965, 98.4635 by changing the saturation by 10% instead.

80.8511, 92.8965,
98.4635

80.8511, 92.8965,
98.4635

486.4894,
537.4087, 576.4597

60.7298, 70.3855,
74.4082

133.5059,
151.3553, 161.0775

44.2589, 51.8409,
54.6294

166.7702,
188.0719, 200.4733

31.0729, 36.8782,
38.7085

205.1462,
230.2925, 245.8197

20.8064, 25.1132,
26.2270

248.9993,
278.4014, 297.5353

13.0942, 16.1614,
16.7662

298.6948,
332.7831, 356.0385

7.5709, 9.6385,
9.9078

354.5981,

3.8711, 5.1599,

393.8219, 421.7480

5.2330

417.0745,
461.9023, 495.0822

■ 1.6295, 2.3414,
2.3235

■ 0.4115, 0.7955,
0.7443

■ 80.8511, 92.8965,
98.4635

■ 80.8511, 92.8965,
98.4635

■ 72.5823, 88.7748,
91.7044

■ 90.3511, 97.6463,
105.5768

■ 65.4879, 85.2521,
85.2887

95.0500, 100.0000,
108.9000

■ 59.5103, 82.2989,
79.2111

■ 54.5861, 79.8825,
73.4649

■ 50.6452, 77.9668,
68.0426

■ 47.6087, 76.5113,
62.9364

■ 45.3850, 75.4689,
58.1377

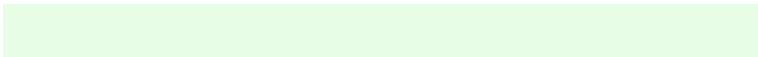
■ 43.8616, 74.7816,
53.6370

■ 43.2357, 74.5103,
51.2867

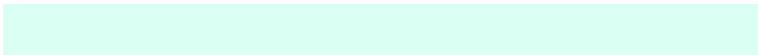
Harmonies

Analogous

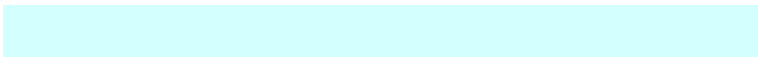
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2736, 92.8965, 88.4042



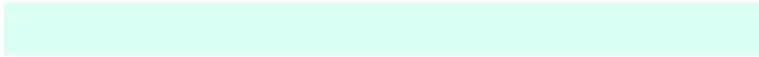
80.8511, 92.8965, 98.4635



81.3744, 92.8965, 110.0243

Triad

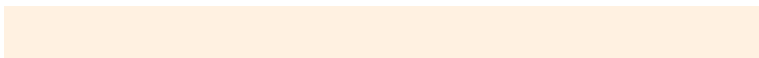
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8511, 92.8965, 98.4635



91.3424, 92.8965, 122.9081



93.0286, 92.8965, 84.5021

Complementary

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



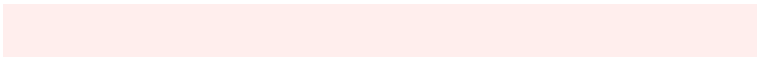
80.8511, 92.8965, 98.4635



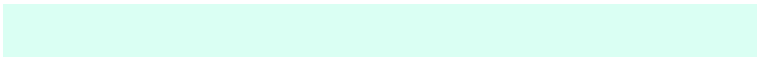
80.5949, 77.1171, 85.5004

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.



95.5979, 92.8965, 92.7633



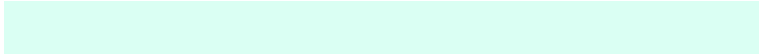
80.8511, 92.8965, 98.4635



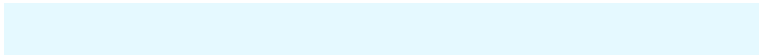
94.6040, 92.8965, 115.0623

Square

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



80.8511, 92.8965, 98.4635



87.3528, 92.8965, 124.7230



96.1830, 92.8965, 103.8819



89.2447, 92.8965, 80.7492

Rectangle

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



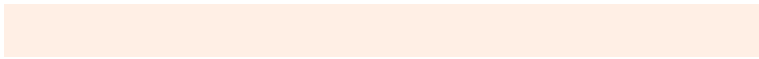
80.8511, 92.8965, 98.4635



82.7642, 92.8965, 116.9818



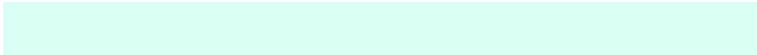
96.1830, 92.8965, 103.8819



94.0676, 92.8965, 86.8125

Sweetspot

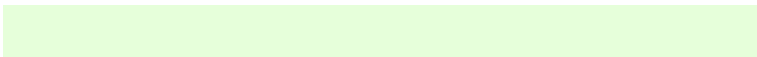
The Sweet Spot groups the original color and five complimentary colors.



80.8520, 92.8969, 98.4650



90.8684, 97.9053, 105.9483



81.1558, 93.4605, 80.0934



19.2862, 20.8740, 22.5598



0.0000, 0.0000, 0.0000



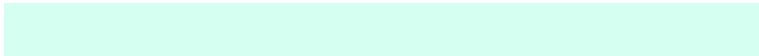
20.3446, 21.4041, 23.3091

Same Dimension

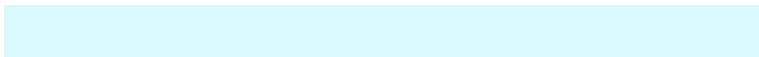
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8520, 92.8969, 98.4650



78.6791, 91.8125, 96.7483



80.7883, 89.7743, 107.6779



18.2896, 20.3754, 21.8279



22.6631, 38.9618, 27.1746



2.2568, 3.8136, 2.9100

Inverse Universe

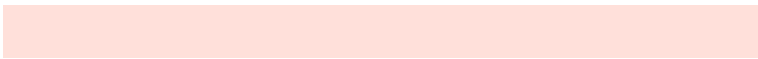
The Inverse Universe completely reimagines the original color for something new.



80.5949, 77.1171, 85.5004



78.3835, 73.6471, 81.8258



80.5961, 79.7239, 77.4715



18.2522, 18.0842, 19.9451



22.4189, 11.4568, 5.5903



2.2305, 1.1346, 0.7951

Previews

White Background



This preview shows how the XYZ color 80.8511, 92.8965, 98.4635 looks on a white background.

Color Contrast Check

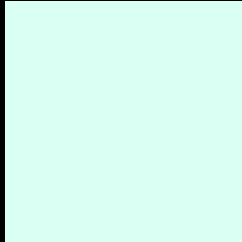
Large Text (above 18pt) WCAG AA × Fail

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 80.8511, 92.8965, 98.4635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

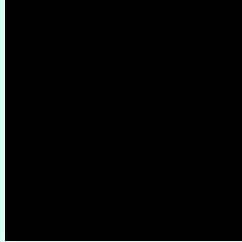
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

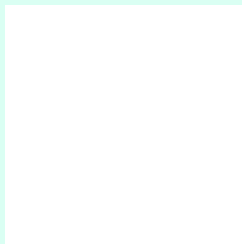
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8511, 92.8965, 98.4635

Background



This preview shows how black text looks on a background with the XYZ color 80.8511, 92.8965, 98.4635.



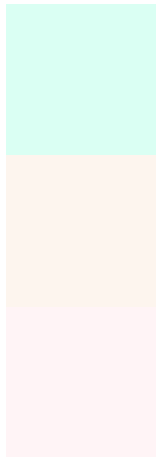
This preview shows how white text looks on a background with the XYZ color 80.8511, 92.8965,

98.4635.

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

80.8511, 92.8965, 98.4635

Protanopia

88.5930, 92.3605, 94.0469

Deuteranopia

90.2252, 92.6152, 100.3099

Tritanopia

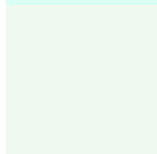
87.2140, 92.7055, 107.9050

Trichromacy



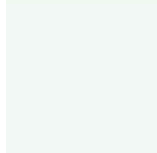
Original Color

80.8511, 92.8965, 98.4635



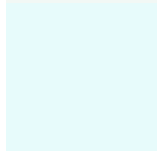
Protanomaly

85.5390, 92.5679, 95.7971



Deuteranomaly

86.6668, 92.6046, 99.6929



Tritanomaly

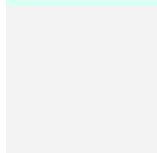
84.8648, 92.9483, 104.7348

Monochromacy



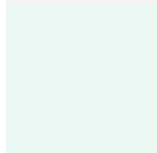
Original Color

80.8511, 92.8965, 98.4635



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3701, 90.4850, 97.8653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8511, 92.8965, 98.4635 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(218, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 243)  
}
```

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(218, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 80.8511, 92.8965, 98.4635 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(218, 255, 243) }
```


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

```
.border{ border-color:rgb(218, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8511, 92.8965, 98.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 243) }
```

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

```
.background{ background-color: rgb(218,  
255, 243) }
```

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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