

Converting Colors

XYZ(85.0612, 100.0000,
99.3614)

Have a look what the booklet for
XYZ(85.0612, 100.0000, 99.3614)
contains.

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Color

**XYZ(81.7565, 93.3632,
98.5059)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>DDFFF3</code>
RGB	<code>221, 255, 243</code>
RGB Percent	<code>87%, 100%, 95%</code>
CMY	<code>0.1333, 0.0000, 0.0471</code>
CMYK	<code>0.13, 0.00, 0.05, 0.00</code>
HSL	<code>159°, 100%, 93%</code>
HSV	<code>159°, 13%, 100%</code>
XYZ	<code>81.7565, 93.3632, 98.5059</code>
YIQ	<code>243.4660, -16.4120, -10.9400</code>

Conversions

Conversions Part 2

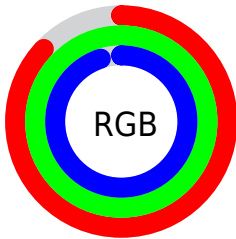
Format	Color
R _Y B	221, 242, 255
Decimal	14548979
CIE Lab	97.37, -13.17, 2.04
CIE LCh	97, 13.326, 171.191
Yxy	93.3632, 0.2988, 0.3412
Android (android.graphics.Color)	4292739059 (0xFFDDFFF3)
YUV	243.4660, -0.2297, -19.7027
Hunter-Lab	96.6246, -18.0598, 7.1929

Details

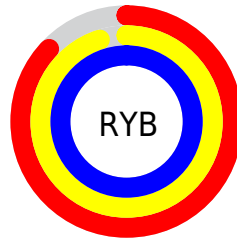
The XYZ color **81.7565, 93.3632, 98.5059** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.8051, 78.8573, 88.0005**, and the grayscale version is **85.5734, 90.0299, 98.0426**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8896, 52.0830, 54.7008** is the 20% darker color. If you saturate the color by 10%, you get **73.2473, 89.1298, 91.1871**, and if you desaturate by 10%, it is **91.5133, 98.2321, 106.2338**.

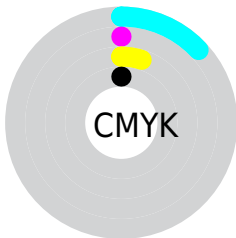
Distribution



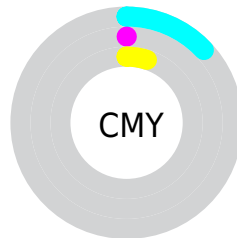
- Red (87%)
- Green (100%)
- Blue (95%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7565, 93.3632, 98.5059 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 81.7565, 93.3632, 98.5059 by changing the saturation by 10% instead.


 81.7565, 93.3632,
98.5059

 81.7565, 93.3632,
98.5059


489.4797,
538.9116, 576.5975

 61.4783, 70.7734,
74.4434


134.7701,
152.0014, 161.1364

 44.8653, 52.1573,
54.6581


168.2361,
188.8185, 200.5414

 31.5521, 37.1305,
38.7313

206.8289,
231.1469, 245.8977

 21.1735, 25.3085,
26.2445

250.9136,
279.3710, 297.6239

 13.3641, 16.3071,
16.7792

300.8557,
333.8751, 356.1384

 7.7585, 9.7417,
9.9169

357.0205,

 3.9913, 5.2280,

395.0436, 421.8598

5.2390

419.7734,
463.2610, 495.2066

■ 1.6972, 2.3817,
2.3270

■ 0.4545, 0.8164,
0.7463

■ 81.7565, 93.3632,
98.5059

■ 81.7565, 93.3632,
98.5059

■ 73.2473, 89.1298,
91.1871

■ 91.5133, 98.2321,
106.2338

■ 65.9291, 85.5027,
84.2655

95.0500, 100.0000,
108.9000

■ 59.7447, 82.4527,
77.7347

■ 54.6312, 79.9473,
71.5867

■ 50.5189, 77.9509,
65.8130

■ 47.3301, 76.4234,
60.4045

■ 44.9745, 75.3185,
55.3515

■ 43.3427, 74.5798,
50.6431

■ 42.5523, 74.2369,
47.6875

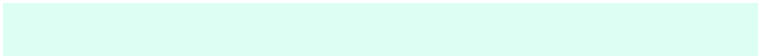
Harmonies

Analogous

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



83.2013, 93.3632, 89.1752



81.7565, 93.3632, 98.5059



82.1408, 93.3632, 109.3590

Triad

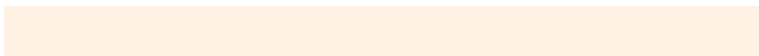
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7565, 93.3632, 98.5059



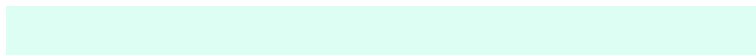
91.3891, 93.3632, 122.3001



93.3669, 93.3632, 86.3008

Complementary

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



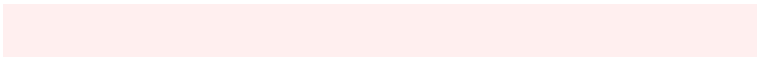
81.7565, 93.3632, 98.5059



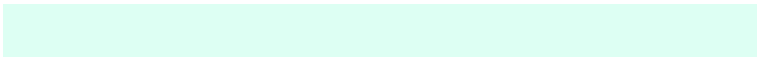
81.8051, 78.8573, 88.0005

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.



95.6812, 93.3632, 94.3247



81.7565, 93.3632, 98.5059



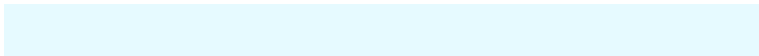
94.5170, 93.3632, 115.2515

Square

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



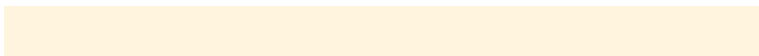
81.7565, 93.3632, 98.5059



87.6318, 93.3632, 123.6177



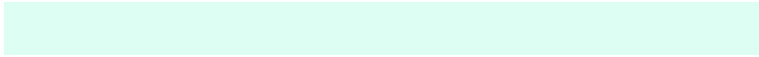
96.1080, 93.3632, 104.8739



89.8553, 93.3632, 82.4639

Rectangle

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



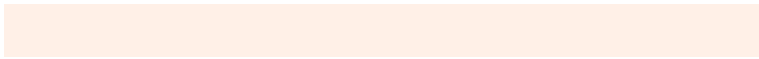
81.7565, 93.3632, 98.5059



83.3873, 93.3632, 115.9731



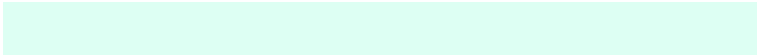
96.1080, 93.3632, 104.8739



94.3148, 93.3632, 88.5698

Sweetspot

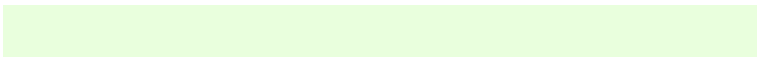
The Sweet Spot groups the original color and five complimentary colors.



81.7574, 93.3637, 98.5074



90.8222, 97.8868, 105.7052



82.5687, 94.1431, 82.2278



19.2745, 20.8693, 22.4982



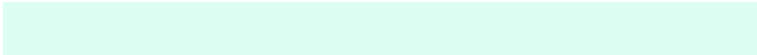
0.0000, 0.0000, 0.0000



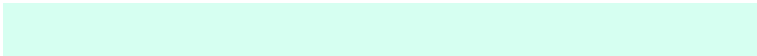
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7574, 93.3637, 98.5074



79.3676, 92.1733, 96.5153



82.2004, 91.2543, 107.8892



18.2667, 20.3662, 21.7073



22.3080, 38.8198, 25.3052



2.2240, 3.8005, 2.7373

Inverse Universe

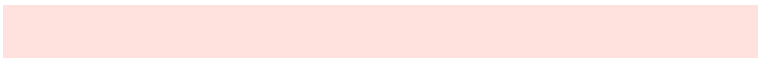
The Inverse Universe completely reimagines the original color for something new.



81.8051, 78.8573, 88.0005



79.4241, 75.0892, 84.1429



81.3616, 80.6209, 79.6813



18.2741, 18.0930, 20.0606



22.5768, 11.5200, 6.4219



2.2478, 1.1415, 0.8863

Previews

White Background



This preview shows how the XYZ color 81.7565, 93.3632, 98.5059 looks on a white background.

Color Contrast Check

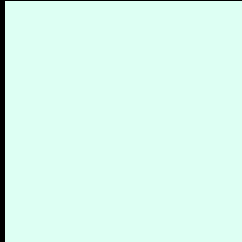
Large Text (above 18pt) WCAG AA × Fail

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 81.7565, 93.3632, 98.5059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

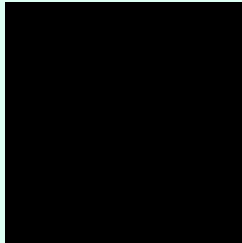
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

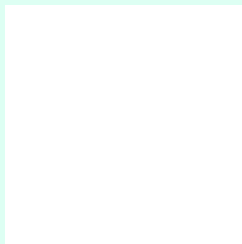
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7565, 93.3632, 98.5059

Background



This preview shows how black text looks on a background with the XYZ color 81.7565, 93.3632, 98.5059.



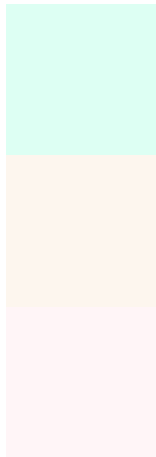
This preview shows how white text looks on a background with the XYZ color 81.7565, 93.3632,

98.5059.

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

81.7565, 93.3632, 98.5059

Protanopia

88.8964, 92.9672, 94.1480

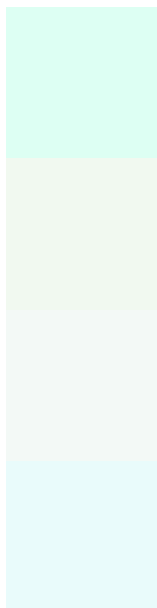
Deuteranopia

90.6809, 93.2802, 101.2212

Tritanopia

87.5526, 92.8801, 107.9209

Trichromacy



Original Color

81.7565, 93.3632, 98.5059

Protanomaly

85.8795, 92.7434, 95.8130

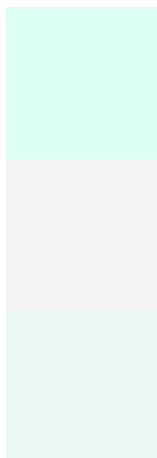
Deuteranomaly

87.4724, 93.4599, 100.6180

Tritanomaly

85.5140, 93.2830, 104.7651

Monochromacy



Original Color

81.7565, 93.3632, 98.5059

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.6994, 90.6548, 97.8807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7565, 93.3632, 98.5059 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 81.7565, 93.3632, 98.5059 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, 243) }
```


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

```
.border{ border-color:rgb(221, 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(221, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7565, 93.3632, 98.5059 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, 243) }
```

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

```
.background{ background-color: rgb(221,  
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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