

Converting Colors

XYZ(85.2452, 100.0000,
100.1639)

Have a look what the booklet for
XYZ(85.2452, 100.0000, 100.1639)
contains.

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Color

**XYZ(81.9079, 93.4238,
99.3035)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFF4
RGB	221, 255, 244
RGB Percent	87%, 100%, 96%
CMY	0.1333, 0.0000, 0.0431
CMYK	0.13, 0.00, 0.04, 0.00
HSL	161°, 100%, 93%
HSV	161°, 13%, 100%
XYZ	81.9079, 93.4238, 99.3035
YIQ	243.5800, -16.7330, -10.6290

Conversions

Conversions Part 2

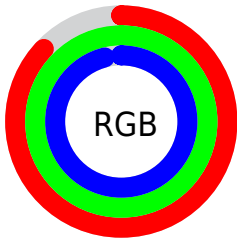
Format	Color
R_{YB}	221, 241, 255
Decimal	14548980
CIE _{Lab}	97.40, -12.98, 1.56
CIE _{LCh}	97, 13.075, 173.137
Yxy	93.4238, 0.2982, 0.3402
Android (android.graphics.Color)	4292739060 (0xFFDDFFF4)
YUV	243.5800, 0.2071, -19.8027
Hunter-Lab	96.6560, -17.8841, 6.7452

Details

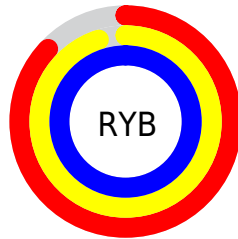
The XYZ color **81.9079, 93.4238, 99.3035** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6625, 78.8001, 87.2499**, and the grayscale version is **85.6611, 90.1222, 98.1430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9971, 52.1260, 55.2667** is the 20% darker color. If you saturate the color by 10%, you get **73.5000, 89.2308, 92.5180**, and if you desaturate by 10%, it is **91.5528, 98.2479, 106.4425**.

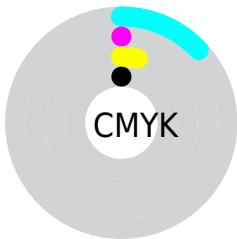
Distribution



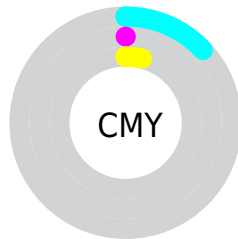
- Red (87%)
- Green (100%)
- Blue (96%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9079, 93.4238, 99.3035 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 81.9079, 93.4238, 99.3035 by changing the saturation by 10% instead.


 81.9079, 93.4238,
99.3035

 81.9079, 93.4238,
99.3035


489.9787,
539.1065, 579.1849

 61.6035, 70.8238,
75.1053


134.9813,
152.0852, 162.2432

 44.9668, 52.1984,
55.1969


168.4811,
188.9154, 201.8219

 31.6324, 37.1633,
39.1598


207.1099,
231.2578, 247.3644

 21.2351, 25.3339,
26.5752

251.2333,
279.4968, 299.2895

 13.4094, 16.3260,
17.0249

301.2165,
334.0168, 358.0155

 7.7900, 9.7551,
10.0901

357.4249,

 4.0115, 5.2369,

395.2021, 423.9610

5.3523

420.2238,
463.4373, 497.5447

■ 1.7087, 2.3869,
2.3931

■ 0.4617, 0.8192,
0.7827

■ 81.9079, 93.4238,
99.3035

■ 81.9079, 93.4238,
99.3035

■ 73.5000, 89.2308,
92.5180

■ 91.5528, 98.2479,
106.4425

■ 66.2727, 85.6402,
86.0752

95.0500, 100.0000,
108.9000

■ 60.1692, 82.6225,
79.9700

■ 55.1265, 80.1455,
74.1956

■ 51.0756, 78.1736,
68.7447

■ 47.9387, 76.6669,
63.6095

■ 45.6259, 75.5790,
58.7817

■ 44.0280, 74.8539,
54.2518

■ 43.2554, 74.5181,
51.3900

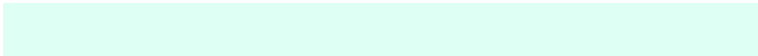
Harmonies

Analogous

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



83.2164, 93.4238, 89.9644



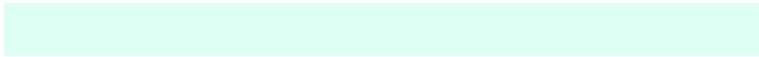
81.9079, 93.4238, 99.3035



82.4036, 93.4238, 109.9543

Triad

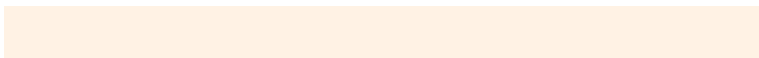
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9079, 93.4238, 99.3035



91.6261, 93.4238, 121.6669



93.1403, 93.4238, 86.2527

Complementary

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



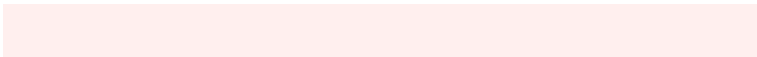
81.9079, 93.4238, 99.3035



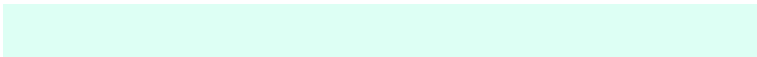
81.6625, 78.8001, 87.2499

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.



95.5118, 93.4238, 93.9125



81.9079, 93.4238, 99.3035



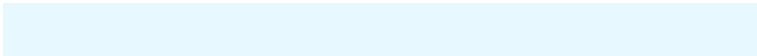
94.6207, 93.4238, 114.4632

Square

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



81.9079, 93.4238, 99.3035



87.9478, 93.4238, 123.3596



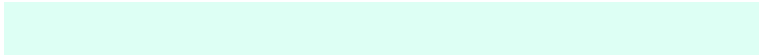
96.0609, 93.4238, 104.1807



89.6507, 93.4238, 82.7763

Rectangle

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



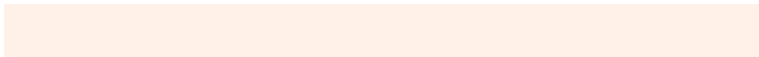
81.9079, 93.4238, 99.3035



83.6975, 93.4238, 116.3244



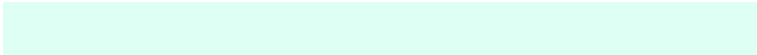
96.0609, 93.4238, 104.1807



94.0986, 93.4238, 88.3970

Sweetspot

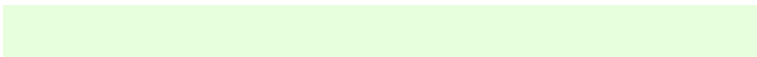
The Sweet Spot groups the original color and five complimentary colors.



81.9088, 93.4242, 99.3050



90.8697, 97.9058, 105.9551



82.1989, 93.9524, 82.2103



19.2865, 20.8741, 22.5616



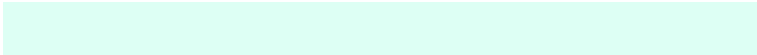
0.0000, 0.0000, 0.0000



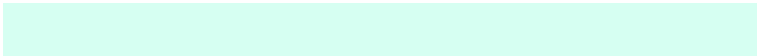
20.3446, 21.4041, 23.3091

Same Dimension

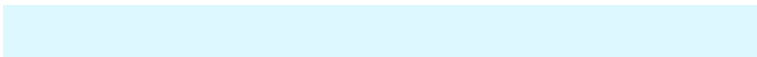
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9088, 93.4242, 99.3050



79.5472, 92.2451, 97.4606



81.8483, 90.5503, 107.7718



18.2902, 20.3756, 21.8312



22.6732, 38.9659, 27.2282



2.2577, 3.8140, 2.9149

Inverse Universe

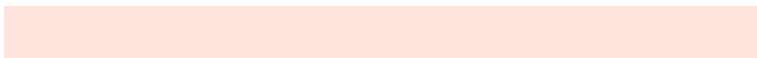
The Inverse Universe completely reimagines the original color for something new.



81.6625, 78.8001, 87.2499



79.2574, 75.0225, 83.2653



81.6698, 81.2374, 79.7839



18.2516, 18.0839, 19.9419



22.4147, 11.4552, 5.5682



2.2300, 1.1344, 0.7927

Previews

White Background



This preview shows how the XYZ color 81.9079, 93.4238, 99.3035 looks on a white background.

Color Contrast Check

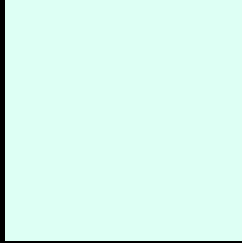
Large Text (above 18pt) WCAG AA × Fail

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 81.9079, 93.4238, 99.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

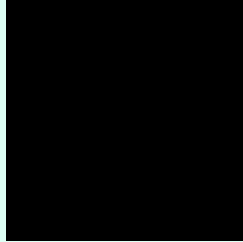
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

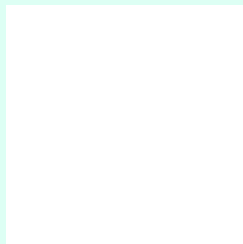
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9079, 93.4238, 99.3035

Background



This preview shows how black text looks on a background with the XYZ color 81.9079, 93.4238, 99.3035.



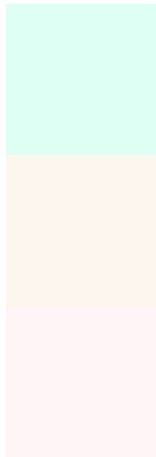
This preview shows how white text looks on a background with the XYZ color 81.9079, 93.4238,

99.3035.

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

81.9079, 93.4238, 99.3035

Protanopia

89.0438, 93.0262, 94.9241

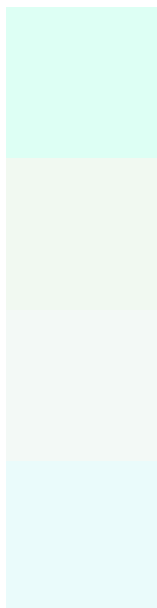
Deuteranopia

90.6809, 93.2802, 101.2212

Tritanopia

87.8930, 93.0556, 107.9368

Trichromacy



Original Color

81.9079, 93.4238, 99.3035

Protanomaly

86.0285, 92.8030, 96.5977

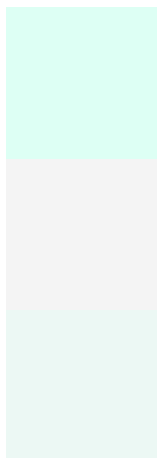
Deuteranomaly

87.4724, 93.4599, 100.6180

Tritanomaly

85.8415, 93.4518, 104.7805

Monochromacy



Original Color

81.9079, 93.4238, 99.3035

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.4886, 91.4993, 98.7961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9079, 93.4238, 99.3035 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 81.9079, 93.4238, 99.3035 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, 244) }
```


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

```
.border{ border-color:rgb(221, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9079, 93.4238, 99.3035 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, 244) }
```

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

```
.background{ background-color: rgb(221,  
255, 244) }
```

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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