

Converting Colors

XYZ(84.6000, 100.0000,
104.1678)

Have a look what the booklet for
XYZ(84.6000, 100.0000, 104.1678)
contains.

| | |
|--|----|
| XYZ(81.1778, 92.9585, 103.2868) | 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(81.1778, 92.9585,
103.2868)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | D8FFF9 |
| RGB | 216, 255, 249 |
| RGB Percent | 85%, 100%, 98% |
| CMY | 0.1529, 0.0000, 0.0235 |
| CMYK | 0.15, 0.00, 0.02, 0.00 |
| HSL | 171°, 100%, 92% |
| HSV | 171°, 15%, 100% |
| XYZ | 81.1778, 92.9585, 103.2868 |
| YIQ | 242.6550, -21.3180, -10.1340 |

Conversions

Conversions Part 2

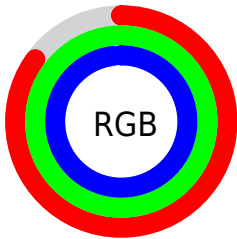
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 216, 237, 255 |
| Decimal | 14221305 |
| CIE Lab | 97.21, -13.59, -1.32 |
| CIE LCh | 97, 13.651, 185.558 |
| Yxy | 92.9585, 0.2926, 0.3351 |
| Android (android.graphics.Color) | 4292411385 (0xFFD8FFF9) |
| YUV | 242.6550, 3.1281, -23.3764 |
| Hunter-Lab | 96.4150, -18.4359, 3.9747 |

Details

The XYZ color **81.1778, 92.9585, 103.2868** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9813, 75.6469, 79.5461**, and the grayscale version is **84.9050, 89.3267, 97.2768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5177, 51.8155, 58.1071** is the 20% darker color. If you saturate the color by 10%, you get **73.6145, 89.1294, 99.7738**, and if you desaturate by 10%, it is **89.9248, 97.3963, 106.9248**.

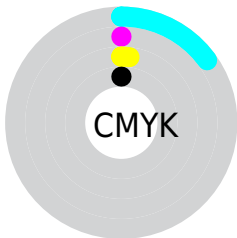
Distribution



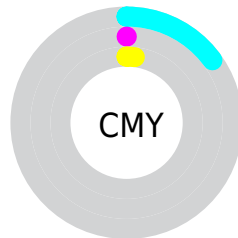
- Red (85%)
- Green (100%)
- Blue (98%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1778, 92.9585, 103.2868 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 81.1778, 92.9585, 103.2868 by changing the saturation by 10% instead.

81.1778, 92.9585,
103.2868

81.1778, 92.9585,
103.2868

487.5696,
537.6085, 592.0163

60.9998, 70.4370,
78.4162

133.9622,
151.4412, 167.7579

44.4776, 51.8829,
57.8974

167.2994,
188.1711, 208.1954

31.2457, 36.9117,
41.3120

205.7538,
230.4060, 254.6589

20.9387, 25.1392,
28.2415

249.6905,
278.5302, 307.5671

13.1914, 16.1808,
18.2671

299.4752,
332.9282, 367.3383

7.6384, 9.6522,
10.9705

355.4730,

3.9143, 5.1689,

393.9843, 434.3913

5.9331

418.0493,
462.0829, 509.1444

■ 1.6538, 2.3467,
2.7363

■ 0.4271, 0.7983,
0.9616

■ 81.1778, 92.9585,
103.2868

■ 81.1778, 92.9585,
103.2868

■ 73.6145, 89.1294,
99.7738

■ 89.9248, 97.3963,
106.9248

■ 67.1783, 85.8799,
96.3783

95.0500, 100.0000,
108.9000

■ 61.8120, 83.1805,
93.0988

■ 57.4525, 80.9987,
89.9319

■ 54.0298, 79.2983,
86.8739

■ 51.4647, 78.0387,
83.9206

■ 49.6653, 77.1723,
81.0674

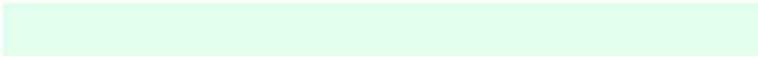
■ 48.5175, 76.6405,
78.3085

■ 48.1261, 76.4664,
77.0389

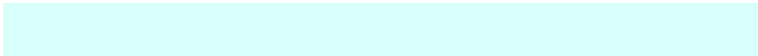
Harmonies

Analogous

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



81.7743, 92.9585, 92.6811



81.1778, 92.9585, 103.2868



82.4583, 92.9585, 114.0743

Triad

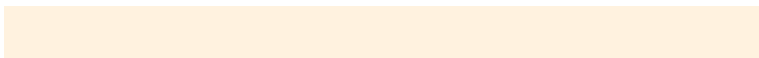
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1778, 92.9585, 103.2868



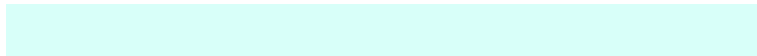
92.7368, 92.9585, 119.4933



91.4580, 92.9585, 83.0881

Complementary

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



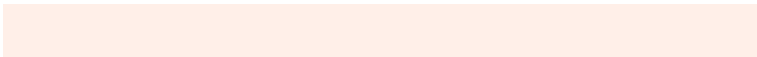
81.1778, 92.9585, 103.2868



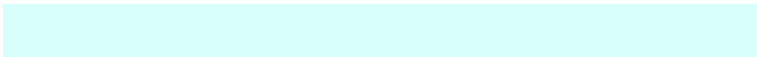
78.9813, 75.6469, 79.5461

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.



94.5248, 92.9585, 89.3622



81.1778, 92.9585, 103.2868



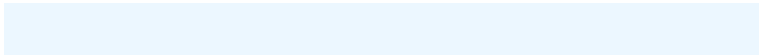
95.2780, 92.9585, 110.2594

Square

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



81.1778, 92.9585, 103.2868



89.0744, 92.9585, 123.8572



95.9417, 92.9585, 99.1731



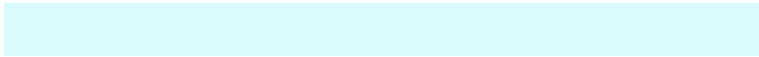
87.6380, 92.9585, 81.5172

Rectangle

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



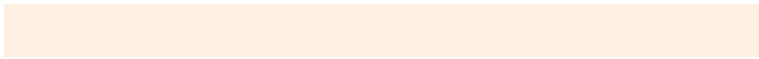
81.1778, 92.9585, 103.2868



84.2266, 92.9585, 119.7586



95.9417, 92.9585, 99.1731



92.6146, 92.9585, 84.6935

Sweetspot

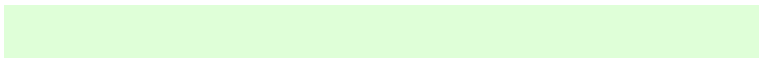
The Sweet Spot groups the original color and five complimentary colors.



81.1787, 92.9589, 103.2883



90.1997, 97.5358, 107.0333



78.4331, 92.0870, 78.6080



19.1659, 20.8053, 22.8539



0.0000, 0.0000, 0.0000



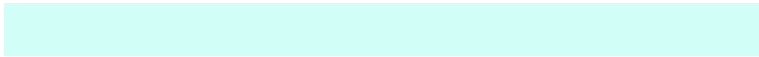
20.3446, 21.4041, 23.3091

Same Dimension

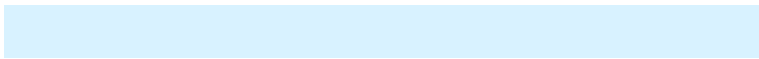
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1787, 92.9589, 103.2883



79.0168, 91.8635, 102.3251



78.1219, 85.3240, 106.9595



18.4277, 20.4306, 22.5553



25.1922, 39.9735, 40.4930



2.4839, 3.9045, 4.1059

Inverse Universe

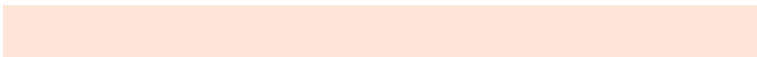
The Inverse Universe completely reimagines the original color for something new.



78.9813, 75.6469, 79.5461



76.4804, 71.8762, 74.9167



81.6547, 82.2575, 76.5409



18.1232, 18.0326, 19.2661



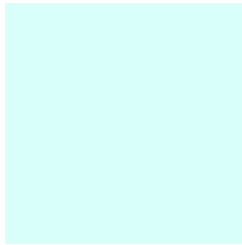
21.7757, 11.1996, 2.2036



2.1518, 1.1031, 0.3811

Previews

White Background



This preview shows how the XYZ color 81.1778, 92.9585, 103.2868 looks on a white background.

Color Contrast Check

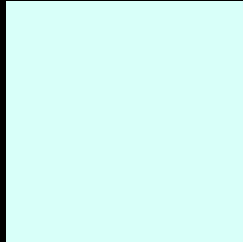
Large Text (above 18pt) WCAG AA × Fail

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 81.1778, 92.9585, 103.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

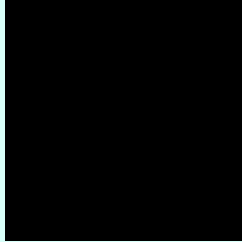
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

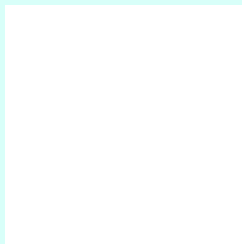
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1778, 92.9585, 103.2868

Background



This preview shows how black text looks on a background with the XYZ color 81.1778, 92.9585, 103.2868.



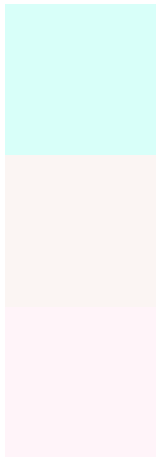
This preview shows how white text looks on a background with the XYZ color 81.1778, 92.9585,

103.2868.

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

81.1778, 92.9585, 103.2868

Protanopia

88.6137, 92.2851, 97.9364

Deuteranopia

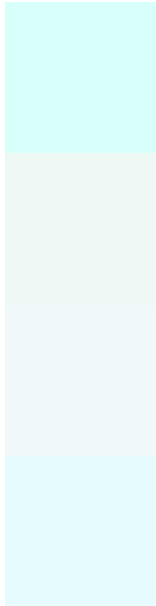
90.6896, 92.8009, 102.7550



Tritanopia

86.8773, 92.5319, 107.8893

Trichromacy



Original Color

81.1778, 92.9585, 103.2868

Protanomaly

85.6170, 92.5211, 99.7321

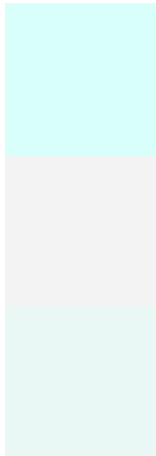
Deuteranomaly

86.9419, 92.6751, 102.9283

Tritanomaly

84.8599, 92.9092, 106.3892

Monochromacy



Original Color

81.1778, 92.9585, 103.2868

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.3465, 90.4377, 99.4496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1778, 92.9585, 103.2868 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(216, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 249)  
}
```

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(216, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 81.1778, 92.9585, 103.2868 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(216, 255, 249) }
```


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

```
.border{ border-color:rgb(216, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1778, 92.9585, 103.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 249) }
```

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

```
.background{ background-color: rgb(216,  
255, 249) }
```

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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