

Converting Colors

XYZ(81.9033, 89.9850,
103.2675)

Have a look what the booklet for
XYZ(81.9033, 89.9850, 103.2675)
contains.

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Color

**XYZ(81.8741, 90.0445,
103.5076)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E1F8FA |
| RGB | 225, 248, 250 |
| RGB Percent | 88%, 97%, 98% |
| CMY | 0.1176, 0.0274, 0.0196 |
| CMYK | 0.10, 0.01, 0.00, 0.02 |
| HSL | 185°, 71%, 93% |
| HSV | 185°, 10%, 98% |
| XYZ | 81.8741, 90.0445, 103.5076 |
| YIQ | 241.3510, -14.3500, -4.2540 |

Conversions

Conversions Part 2

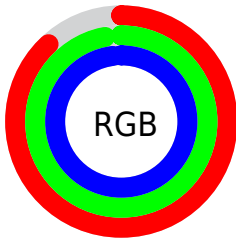
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 225, 237, 250 |
| Decimal | 14809338 |
| CIE _{Lab} | 96.02, -7.08, -3.52 |
| CIE _{LCh} | 96, 7.909, 206.454 |
| Y _{xy} | 90.0445, 0.2973, 0.3269 |
| Android (android.graphics.Color) | 4292999418 (0xFFE1F8FA) |
| YUV | 241.3510, 4.2640, -14.3398 |
| Hunter-Lab | 94.8918, -12.0480, 1.7509 |

Details

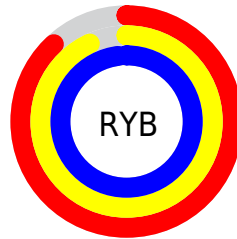
The XYZ color **81.8741, 90.0445, 103.5076** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.4846, 80.6981, 82.5701**, and the grayscale version is **83.8633, 88.2307, 96.0833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1648, 50.1404, 58.3366** is the 20% darker color. If you saturate the color by 10%, you get **74.0341, 85.0989, 102.9676**, and if you desaturate by 10%, it is **90.8670, 95.5990, 104.1072**.

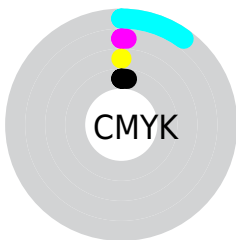
Distribution



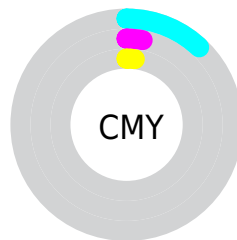
- Red (88%)
- Green (97%)
- Blue (98%)



- Red (88%)
- Yellow (93%)
- Blue (98%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8741, 90.0445, 103.5076 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 81.8741, 90.0445, 103.5076 by changing the saturation by 10% instead.

81.8741, 90.0445,
103.5076

81.8741, 90.0445,
103.5076

489.8674,
528.1756, 592.7232

61.5755, 68.0176,
78.5999

134.9342,
147.4002, 168.0629

44.9441, 49.9120,
58.0476

168.4264,
183.4978, 208.5476

31.6145, 35.3435,
41.4319

207.0472,
225.0543, 255.0618

21.2213, 23.9276,
28.3345

251.1619,
272.4542, 308.0240

13.3993, 15.2799,
18.3367

301.1359,
326.0819, 367.8527

7.7829, 9.0161,
11.0201

357.3346,

4.0070, 4.7517,

386.3218, 434.9664

5.9660

420.1233,
453.5582, 509.7837

■ 1.7061, 2.1023,
2.7560

■ 0.4601, 0.6659,
0.9714

■ 81.8741, 90.0445,
103.5076

■ 81.8741, 90.0445,
103.5076

■ 74.0341, 85.0989,
102.9676

■ 90.8670, 95.5990,
104.1072

■ 67.2897, 80.7254,
102.4789

■ 93.3054, 97.7819,
104.4000

■ 61.5906, 76.9004,
102.0410

■ 93.9357, 99.0424,
104.6101

■ 56.8792, 73.5942,
101.6512

■ 94.2556, 99.6822,
104.7167

■ 53.0927, 70.7744,
101.3065

■ 50.1606, 68.4047,
101.0036

■ 48.0026, 66.4435,
100.7388

■ 46.5228, 64.8415,
100.5076

■ 45.5630, 63.5170,
100.3025

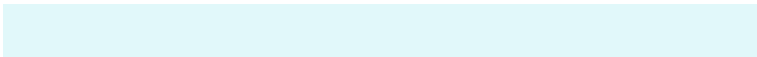
Harmonies

Analogous

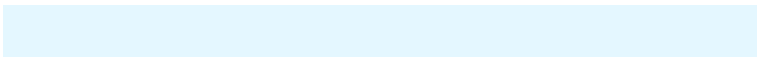
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4551, 90.0445, 97.3001



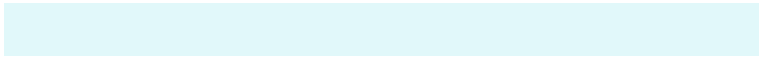
81.8741, 90.0445, 103.5076



83.2814, 90.0445, 108.4287

Triad

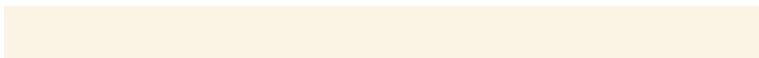
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8741, 90.0445, 103.5076



89.1380, 90.0445, 104.8511



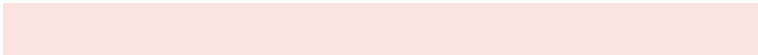
85.8450, 90.0445, 86.5057

Complementary

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



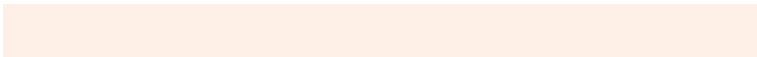
81.8741, 90.0445, 103.5076



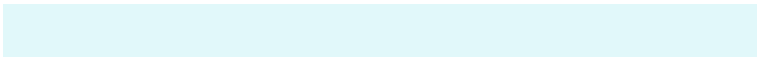
80.4846, 80.6981, 82.5701

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.



87.9299, 90.0445, 88.3429



81.8741, 90.0445, 103.5076



89.8514, 90.0445, 98.7900

Square

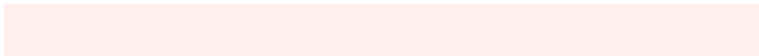
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8741, 90.0445, 103.5076



87.4719, 90.0445, 109.2273



89.4055, 90.0445, 92.7745



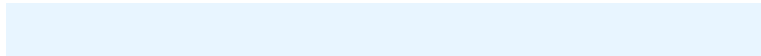
83.7246, 90.0445, 87.6497

Rectangle

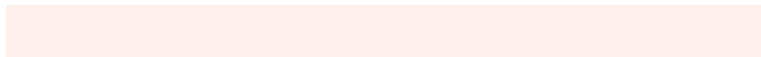
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



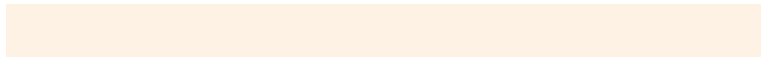
81.8741, 90.0445, 103.5076



84.6033, 90.0445, 110.2257



89.4055, 90.0445, 92.7745



86.5735, 90.0445, 86.7930

Sweetspot

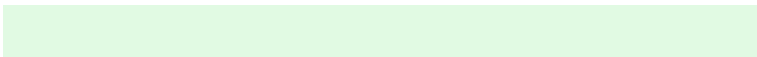
The Sweet Spot groups the original color and five complimentary colors.



81.8767, 90.0483, 103.5096



92.0968, 98.1887, 108.7060



79.0576, 89.9080, 85.6209



19.5476, 20.9149, 23.2567



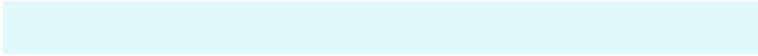
0.0000, 0.0000, 0.0000



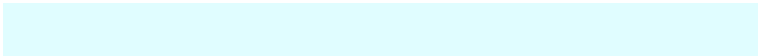
20.3446, 21.4041, 23.3091

Same Dimension

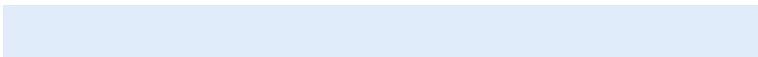
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8767, 90.0483, 103.5096



83.9000, 93.1021, 108.1562



78.2557, 82.8063, 102.3026



17.6403, 19.3574, 22.1919



24.2177, 33.7910, 53.2195



2.2771, 3.1979, 4.9404

Inverse Universe

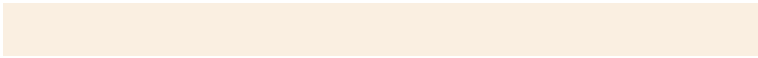
The Inverse Universe completely reimagines the original color for something new.



83.2949, 80.9536, 100.0468



85.6623, 81.8502, 103.8422



83.9318, 87.5925, 83.7191



17.9297, 17.4992, 21.4856



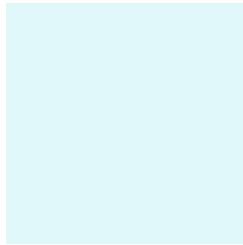
28.5160, 13.8221, 41.0212



2.6583, 1.2871, 3.8899

Previews

White Background



This preview shows how the XYZ color 81.8741, 90.0445, 103.5076 looks on a white background.

Color Contrast Check

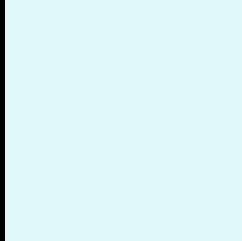
Large Text (above 18pt) WCAG AA × Fail

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 81.8741, 90.0445, 103.5076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

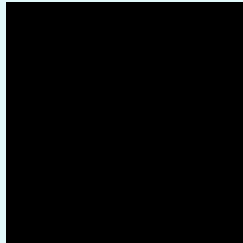
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8741, 90.0445, 103.5076

Background



This preview shows how black text looks on a background with the XYZ color 81.8741, 90.0445, 103.5076.

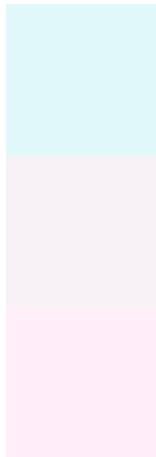


This preview shows how white text looks on a background with the XYZ color 81.8741, 90.0445,

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

81.8741, 90.0445, 103.5076

Protanopia

86.3927, 89.7509, 99.9591

Deuteranopia

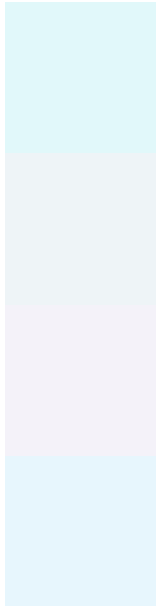
89.2054, 89.8326, 102.2603



Tritanopia

84.9634, 90.1870, 107.5375

Trichromacy



Original Color

81.8741, 90.0445, 103.5076

Protanomaly

84.3991, 89.5939, 100.8407

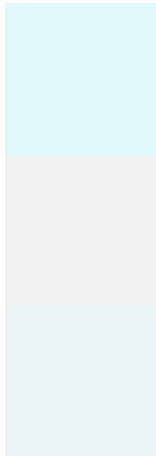
Deuteranomaly

86.1592, 89.5769, 102.3715

Tritanomaly

83.6404, 89.9923, 105.8904

Monochromacy



Original Color

81.8741, 90.0445, 103.5076

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.9408, 88.8952, 98.3750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8741, 90.0445, 103.5076 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(225, 248, 250)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 250)  
}
```

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(225, 248, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 250) }
```

Border

The CSS property to change the border of an element to XYZ 81.8741, 90.0445, 103.5076 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(225, 248, 250) }
```


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

```
.border{ border-color:rgb(225, 248, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 248, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 248, 250);  
box-shadow:4px 4px 4px 4px rgb(225, 248,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8741, 90.0445, 103.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 250) }
```

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

```
.background{ background-color: rgb(225,  
248, 250) }
```

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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