

Converting Colors

XYZ(103.1799, 100.4401,
221.1248)

Have a look what the booklet for
XYZ(103.1799, 100.4401, 221.1248)
contains.

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Color

**XYZ(81.4757, 91.5925,
107.9926)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FCFF
RGB	217, 252, 255
RGB Percent	85%, 99%, 100%
CMY	0.1490, 0.0117, 0.0000
CMYK	0.15, 0.01, 0.00, 0.00
HSL	185°, 100%, 93%
HSV	185°, 15%, 100%
XYZ	81.4757, 91.5925, 107.9926
YIQ	241.8770, -21.8230, -6.4870

Conversions

Conversions Part 2

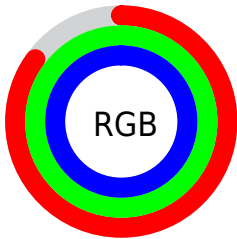
Format	Color
R_{YB}	217, 235, 255
Decimal	14286079
CIE Lab	96.65, -10.60, -5.22
CIE LCh	97, 11.821, 206.221
Yxy	91.5925, 0.2899, 0.3259
Android (android.graphics.Color)	4292476159 (0xFFD9FCFF)
YUV	241.8770, 6.4696, -21.8171
Hunter-Lab	95.7040, -15.5195, 0.0898

Details

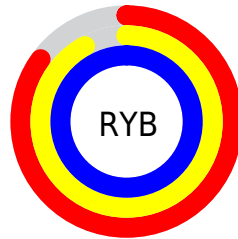
The XYZ color **81.4757, 91.5925, 107.9926** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3572, 77.4549, 76.4151**, and the grayscale version is **84.2657, 88.6541, 96.5443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6084, 50.7888, 60.8782** is the 20% darker color. If you saturate the color by 10%, you get **73.8467, 86.7300, 107.4562**, and if you desaturate by 10%, it is **90.2873, 97.0795, 108.5873**.

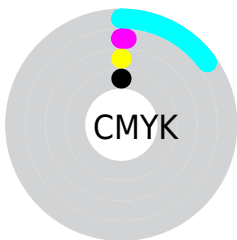
Distribution



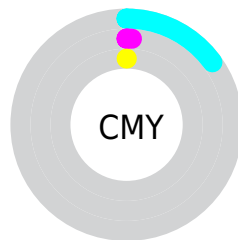
- Red (85%)
- Green (99%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4757, 91.5925, 107.9926 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 81.4757, 91.5925, 107.9926 by changing the saturation by 10% instead.

81.4757, 91.5925,
107.9926

81.4757, 91.5925,
107.9926

488.5534,
533.1977, 606.9891

61.2461, 69.3022,
82.3381

134.3782,
149.5485, 174.2456

44.6771, 50.9579,
61.1068

167.7817,
185.9830, 215.6811

31.4034, 36.1751,
43.8803

206.3074,
227.9010, 263.2141

21.0595, 24.5694,
30.2399

250.3204,
275.6869, 317.2630

13.2802, 15.7566,
19.7671

300.1861,
329.7251, 378.2464

7.7001, 9.3521,
12.0435

356.2699,

3.9539, 4.9715,

390.4001, 446.5829

6.6504

418.9373,
458.0961, 522.6909

■ 1.6761, 2.2306,
3.1693

■ 0.4412, 0.7366,
1.1817

■ 81.4757, 91.5925,
107.9926

■ 81.4757, 91.5925,
107.9926

■ 73.8467, 86.7300,
107.4562

■ 90.2873, 97.0795,
108.5873

■ 67.3394, 82.4532,
106.9736

95.0500, 100.0000,
108.9000

■ 61.8985, 78.7360,
106.5429

■ 57.4610, 75.5459,
106.1610

■ 53.9573, 72.8470,
105.8248

■ 51.3088, 70.5987,
105.5304

■ 49.4241, 68.7538,
105.2736

■ 48.1904, 67.2543,
105.0492

■ 47.7303, 66.5805,
104.9434

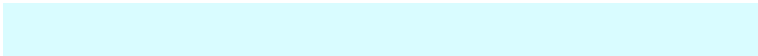
Harmonies

Analogous

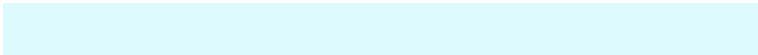
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8644, 91.5925, 98.5334



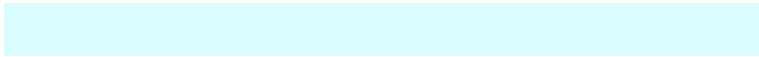
81.4757, 91.5925, 107.9926



83.5685, 91.5925, 115.6427

Triad

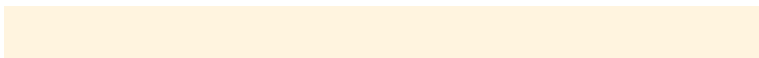
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4757, 91.5925, 107.9926



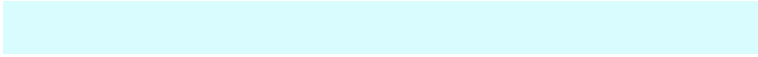
92.4485, 91.5925, 110.1993



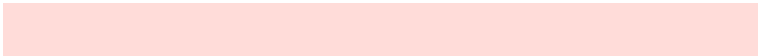
87.4756, 91.5925, 82.6400

Complementary

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



81.4757, 91.5925, 107.9926



79.3572, 77.4549, 76.4151

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.



90.6390, 91.5925, 85.3460



81.4757, 91.5925, 107.9926



93.5557, 91.5925, 100.9335

Square

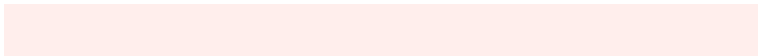
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4757, 91.5925, 107.9926



89.8956, 91.5925, 116.9723



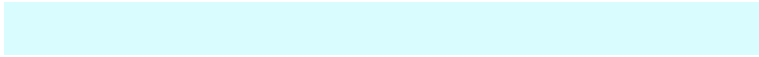
92.8853, 91.5925, 91.8974



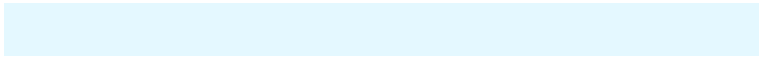
84.2767, 91.5925, 84.2688

Rectangle

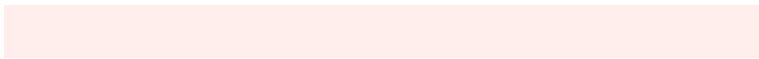
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4757, 91.5925, 107.9926



85.5503, 91.5925, 118.4800



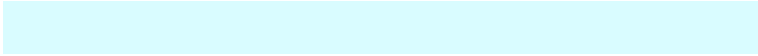
92.8853, 91.5925, 91.8974



88.5791, 91.5925, 83.0681

Sweetspot

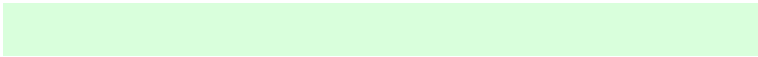
The Sweet Spot groups the original color and five complimentary colors.



81.4781, 91.5962, 107.9932



91.1405, 97.6047, 108.6437



77.2329, 91.4149, 80.9625



19.3552, 20.7975, 23.2441



0.0000, 0.0000, 0.0000



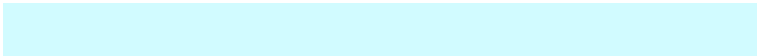
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4781, 91.5962, 107.9932



78.9895, 90.0234, 107.8208



75.9377, 80.5154, 106.1464



18.4252, 20.2219, 23.1821



24.9915, 34.8925, 54.8523



2.4682, 3.4671, 5.3524

Inverse Universe

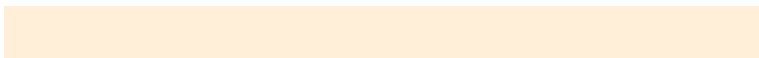
The Inverse Universe completely reimagines the original color for something new.



83.6250, 77.9157, 102.7315



81.5379, 73.8992, 101.5496



84.4951, 87.7306, 78.1278



18.7273, 18.2742, 22.4468



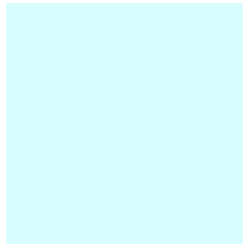
29.4027, 14.2504, 42.3668



2.8804, 1.3946, 4.2178

Previews

White Background



This preview shows how the XYZ color 81.4757, 91.5925, 107.9926 looks on a white background.

Color Contrast Check

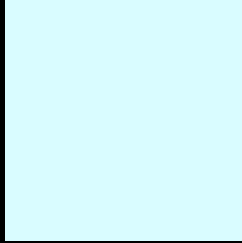
Large Text (above 18pt) WCAG AA × Fail

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 81.4757, 91.5925, 107.9926 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 81.4757, 91.5925, 107.9926

Background



This preview shows how black text looks on a background with the XYZ color 81.4757, 91.5925, 107.9926.



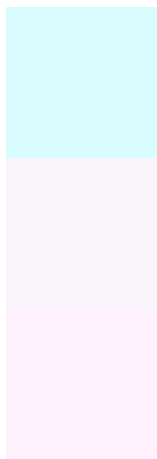
This preview shows how white text looks on a background with the XYZ color 81.4757, 91.5925,

107.9926.

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

81.4757, 91.5925, 107.9926

Protanopia

88.3174, 91.5600, 103.4605

Deuteranopia

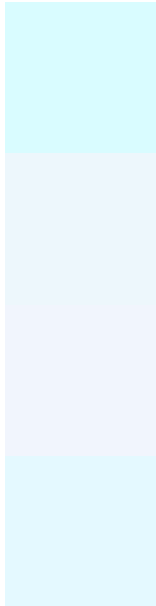
90.2660, 91.1989, 104.9411



Tritanopia

85.5717, 91.4037, 107.7403

Trichromacy



Original Color

81.4757, 91.5925, 107.9926

Protanomaly

85.7565, 91.5543, 105.2474

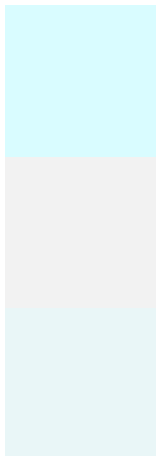
Deuteranomaly

86.6577, 91.0974, 105.9447

Tritanomaly

83.9206, 91.4653, 107.8392

Monochromacy



Original Color

81.4757, 91.5925, 107.9926

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.3485, 89.9506, 100.9649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4757, 91.5925, 107.9926 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(217, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 252, 255)  
}
```

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(217, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4757, 91.5925, 107.9926 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(217, 252, 255) }
```


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

```
.border{ border-color:rgb(217, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4757, 91.5925, 107.9926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 252, 255) }
```

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

```
.background{ background-color: rgb(217,  
252, 255) }
```

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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