

# Converting Colors

XYZ(81.7843, 93.2267,  
105.3213)

Have a look what the booklet for  
XYZ(81.7843, 93.2267, 105.3213)  
contains.

<b>XYZ(81.7879, 93.2367, 104.9526)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.7879, 93.2367,  
104.9526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFFB
RGB	217, 255, 251
RGB Percent	85%, 100%, 98%
CMY	0.1490, 0.0000, 0.0157
CMYK	0.15, 0.00, 0.02, 0.00
HSL	174°, 100%, 93%
HSV	174°, 15%, 100%
XYZ	81.7879, 93.2367, 104.9526
YIQ	243.1820, -21.3640, -9.3000

# Conversions

## Conversions Part 2

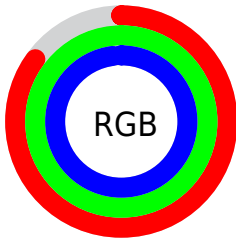
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 237, 255
Decimal	14286843
CIE Lab	97.32, -12.89, -2.18
CIE LCh	97, 13.070, 189.595
Yxy	93.2367, 0.2921, 0.3330
Android (android.graphics.Color)	4292476923 (0xFFD9FFFB)
YUV	243.1820, 3.8543, -22.9616
Hunter-Lab	96.5592, -17.7848, 3.1476

# Details

The XYZ color **81.7879, 93.2367, 104.9526** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1048, 76.1075, 78.9281**, and the grayscale version is **85.3185, 89.7617, 97.7505**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9447, 52.0097, 59.2998** is the 20% darker color. If you saturate the color by 10%, you get **74.3652, 89.4587, 102.4141**, and if you desaturate by 10%, it is **90.3897, 97.6219, 107.5805**.

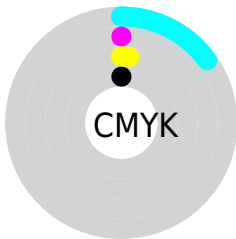
# Distribution



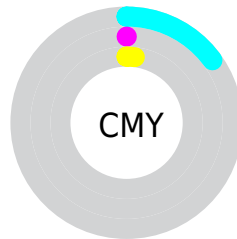
- Red (85%)
- Green (100%)
- Blue (98%)



- 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 81.7879, 93.2367, 104.9526 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 81.7879, 93.2367, 104.9526 by changing the saturation by 10% instead.



81.7879, 93.2367,  
104.9526

81.7879, 93.2367,  
104.9526

489.5832,  
538.5044, 597.3389

61.5042, 70.6683,  
79.8032

134.8139,  
151.8263, 170.0577

44.8863, 52.0715,  
59.0312

168.2869,  
188.6162, 210.8505

31.5688, 37.0621,  
42.2181

206.8872,  
230.9154, 257.6949

21.1863, 25.2556,  
28.9452

250.9799,  
279.1083, 311.0093

13.3735, 16.2676,  
18.7942

300.9305,  
333.5792, 371.2124

7.7650, 9.7137,  
11.3463

357.1044,

3.9955, 5.2095,

394.7126, 438.7227

6.1832

419.8668,  
462.8929, 513.9587

■ 1.6996, 2.3707,  
2.8862

■ 0.4560, 0.8108,  
1.0368

■ 81.7879, 93.2367,  
104.9526

■ 81.7879, 93.2367,  
104.9526

■ 74.3652, 89.4587,  
102.4141

■ 90.3897, 97.6219,  
107.5805

■ 68.0651, 86.2587,  
99.9579

95.0500, 100.0000,  
108.9000

■ 62.8306, 83.6074,  
97.5825

■ 58.5988, 81.4723,  
95.2850

■ 55.3000, 79.8175,  
93.0620

■ 52.8559, 78.6026,  
90.9096

■ 51.1747, 77.7804,  
88.8234

■ 50.1439, 77.2927,  
86.7981

■ 49.7870, 77.1308,  
85.7849

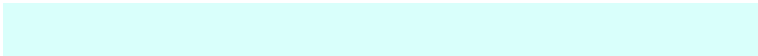
# Harmonies

## Analogous

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



82.1172, 93.2367, 94.5800



81.7879, 93.2367, 104.9526



83.2493, 93.2367, 115.0652

# Triad

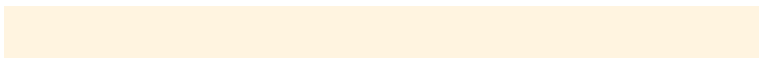
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7879, 93.2367, 104.9526



93.2304, 93.2367, 118.0411



91.1222, 93.2367, 83.5963

# Complementary

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



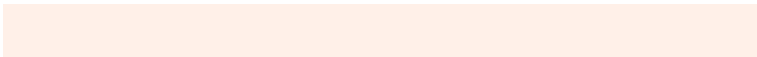
81.7879, 93.2367, 104.9526



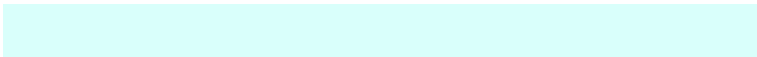
79.1048, 76.1075, 78.9281

# 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.



94.2141, 93.2367, 89.0798



81.7879, 93.2367, 104.9526



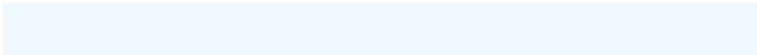
95.4546, 93.2367, 108.7892

# Square

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



81.7879, 93.2367, 104.9526



89.8097, 93.2367, 122.9612



95.8196, 93.2367, 98.1610

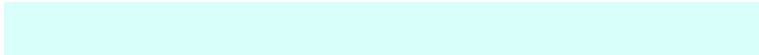


87.4383, 93.2367, 82.7266

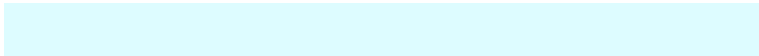


# Rectangle

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



81.7879, 93.2367, 104.9526



85.0669, 93.2367, 120.1233



95.8196, 93.2367, 98.1610



92.2680, 93.2367, 84.9420

# Sweetspot

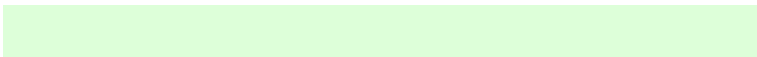
The Sweet Spot groups the original color and five complimentary colors.



81.7889, 93.2373, 104.9541



91.2241, 98.0476, 107.8215



78.2363, 91.9705, 79.2760



19.3764, 20.9101, 23.0352



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

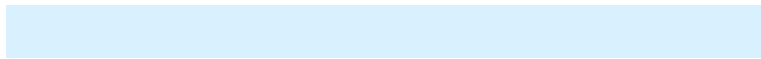
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7889, 93.2373, 104.9541



79.3648, 92.0027, 104.1579



77.9541, 84.5483, 106.8186



18.4676, 20.4466, 22.7655



26.0481, 40.3158, 45.0000



2.5589, 3.9345, 4.5010



# Inverse Universe

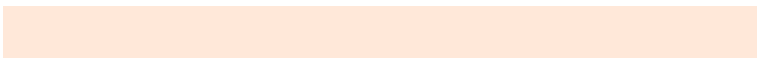
The Inverse Universe completely reimagines the original color for something new.



79.1048, 76.1075, 78.9281



76.1936, 71.7615, 73.4068



82.5000, 83.7403, 77.4627



18.0870, 18.0181, 19.0755



21.6762, 11.1598, 1.6792



2.1349, 1.0963, 0.2917



# Previews

## White Background



This preview shows how the XYZ color 81.7879, 93.2367, 104.9526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

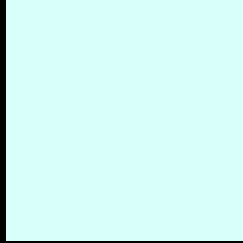
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7879, 93.2367, 104.9526 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

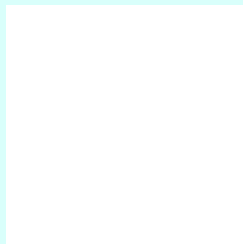
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.7879, 93.2367, 104.9526

## Background



This preview shows how black text looks on a background with the XYZ color 81.7879, 93.2367, 104.9526.



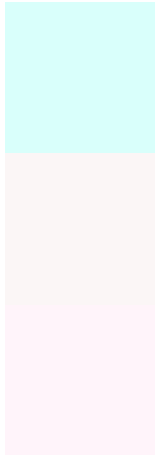
This preview shows how white text looks on a background with the XYZ color 81.7879, 93.2367,

104.9526.

# 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

81.7879, 93.2367, 104.9526

### Protanopia

89.3740, 93.0746, 100.4435

### Deuteranopia

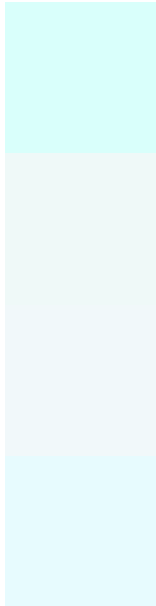
90.8460, 92.8635, 103.5788



## Tritanopia

87.2140, 92.7055, 107.9050

# Trichromacy



## Original Color

81.7879, 93.2367, 104.9526

## Protanomaly

86.4156, 92.8794, 102.1799

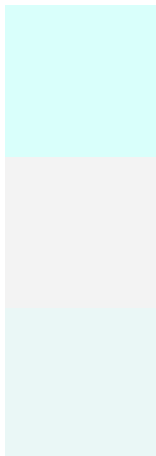
## Deuteranomaly

87.0983, 92.7377, 103.7521

## Tritanomaly

85.3416, 93.1390, 107.2456

# Monochromacy



## Original Color

81.7879, 93.2367, 104.9526

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

83.8270, 90.6678, 100.2713

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7879, 93.2367, 104.9526 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, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 251)  
}
```

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, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7879, 93.2367, 104.9526 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, 255, 251) }
```



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

```
.border{ border-color:rgb(217, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7879, 93.2367, 104.9526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 251) }
```

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

```
.background{ background-color: rgb(217,  
255, 251) }
```

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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