

# Converting Colors

XYZ(93.1411, 117.0163,  
104.3737)

Have a look what the booklet for  
XYZ(93.1411, 117.0163, 104.3737)  
contains.

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# Color

**XYZ(81.1549, 93.0180,  
100.0632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFF5
RGB	218, 255, 245
RGB Percent	85%, 100%, 96%
CMY	0.1451, 0.0000, 0.0392
CMYK	0.15, 0.00, 0.04, 0.00
HSL	164°, 100%, 93%
HSV	164°, 15%, 100%
XYZ	81.1549, 93.0180, 100.0632
YIQ	242.7970, -18.8420, -10.9540

# Conversions

## Conversions Part 2

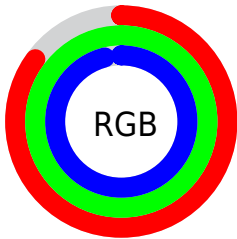
Format	Color
R <sub>Y</sub> B	218, 239, 255
Decimal	14352373
CIE Lab	97.23, -13.74, 0.79
CIE LCh	97, 13.758, 176.727
Yxy	93.0180, 0.2959, 0.3392
Android (android.graphics.Color)	4292542453 (0xFFDAFFF5)
YUV	242.7970, 1.0861, -21.7470
Hunter-Lab	96.4458, -18.5804, 5.9983

# Details

The XYZ color **81.1549, 93.0180, 100.0632** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3156, 77.0054, 84.0295**, and the grayscale version is **85.0321, 89.4604, 97.4223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4836, 51.8488, 55.8074** is the 20% darker color. If you saturate the color by 10%, you get **73.0745, 88.9717, 94.2962**, and if you desaturate by 10%, it is **90.4494, 97.6856, 106.0945**.

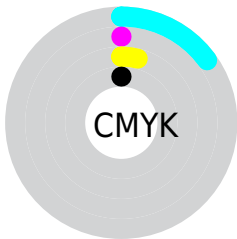
# Distribution



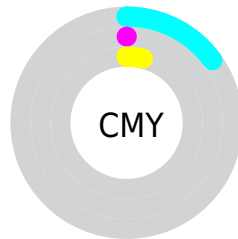
- Red (85%)
- Green (100%)
- Blue (96%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1549, 93.0180, 100.0632 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 81.1549, 93.0180, 100.0632 by changing the saturation by 10% instead.




 81.1549, 93.0180,  
100.0632

 81.1549, 93.0180,  
100.0632


487.4939,  
537.8002, 581.6437

 60.9809, 70.4865,  
75.7361


133.9303,  
151.5235, 163.2967

 44.4622, 51.9232,  
55.7108


167.2624,  
188.2663, 203.0402

 31.2335, 36.9439,  
39.5687


205.7112,  
230.5150, 248.7595

 20.9294, 25.1640,  
26.8912

249.6421,  
278.6539, 300.8733

 13.1846, 16.1993,  
17.2598

299.4205,  
333.0675, 359.8001

 7.6337, 9.6653,  
10.2560

355.4117,

 3.9113, 5.1776,

394.1401, 425.9584

5.4612

417.9810,  
462.2562, 499.7668

■ 1.6521, 2.3518,  
2.4569

■ 0.4260, 0.8009,  
0.8172

■ 81.1549, 93.0180,  
100.0632

■ 81.1549, 93.0180,  
100.0632

■ 73.0745, 88.9717,  
94.2962

■ 90.4494, 97.6856,  
106.0945

■ 66.1517, 85.5177,  
88.7842

95.0500, 100.0000,  
108.9000

■ 60.3293, 82.6265,  
83.5239

■ 55.5442, 80.2657,  
78.5100

■ 51.7266, 78.3994,  
73.7369

■ 48.7980, 76.9870,  
69.1986

■ 46.6670, 75.9816,  
64.8885

■ 45.2216, 75.3256,  
60.7988

■ 44.6325, 75.0690,  
58.6419

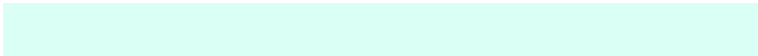
# Harmonies

## Analogous

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



82.3064, 93.0180, 89.9822



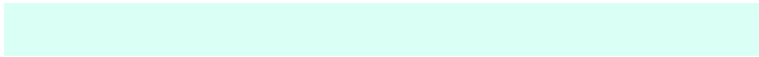
81.1549, 93.0180, 100.0632



81.9001, 93.0180, 111.2186

# Triad

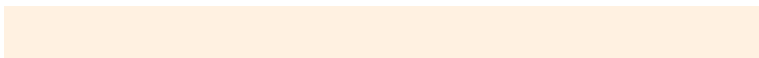
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1549, 93.0180, 100.0632



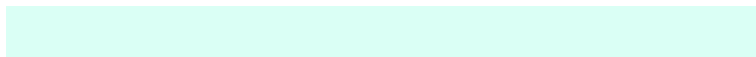
91.8159, 93.0180, 121.6334



92.5762, 93.0180, 84.4136

# Complementary

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



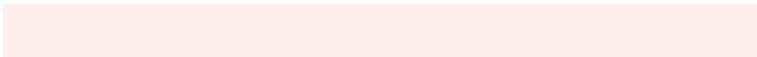
81.1549, 93.0180, 100.0632



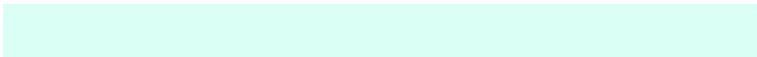
80.3156, 77.0054, 84.0295

# 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.



95.2578, 93.0180, 91.9533



81.1549, 93.0180, 100.0632



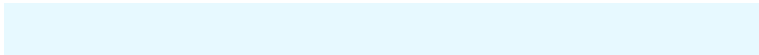
94.8099, 93.0180, 113.4877

# Square

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



81.1549, 93.0180, 100.0632



87.9846, 93.0180, 124.1963



96.0868, 93.0180, 102.5082



88.8384, 93.0180, 81.3731

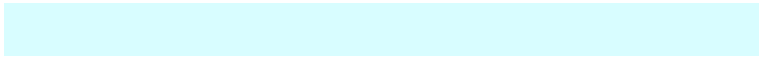


# Rectangle

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



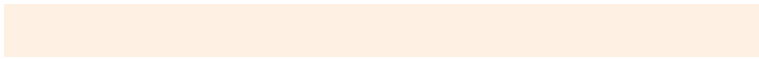
81.1549, 93.0180, 100.0632



83.3844, 93.0180, 117.6837



96.0868, 93.0180, 102.5082



93.6352, 93.0180, 86.4776

# Sweetspot

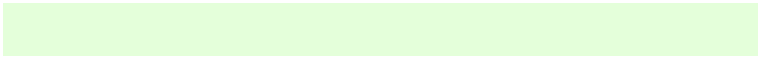
The Sweet Spot groups the original color and five complimentary colors.



81.1558, 93.0185, 100.0647



90.9558, 97.9403, 106.4085



80.5642, 93.1555, 80.0658



19.3083, 20.8828, 22.6765



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

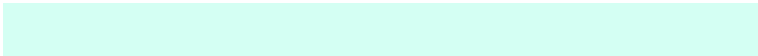


# Same Dimension

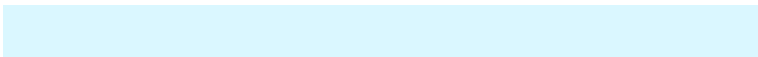
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1558, 93.0185, 100.0647



79.0314, 91.9534, 98.6035



80.2199, 88.6374, 107.4884



18.3330, 20.3927, 22.0568



23.3872, 39.2515, 30.9877



2.3228, 3.8401, 3.2579



# Inverse Universe

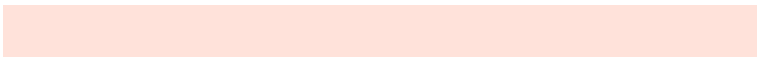
The Inverse Universe completely reimagines the original color for something new.



80.3156, 77.0054, 84.0295



78.0646, 73.5196, 80.1464



81.0965, 80.7248, 77.6384



18.2110, 18.0677, 19.7281



22.1615, 11.3539, 4.2349



2.2011, 1.1228, 0.6404



# Previews

## White Background



This preview shows how the XYZ color 81.1549, 93.0180, 100.0632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

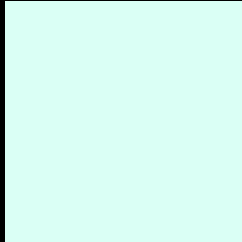
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.1549, 93.0180, 100.0632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

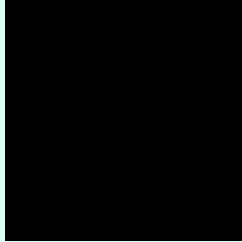
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

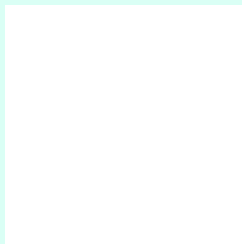
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.1549, 93.0180, 100.0632

## Background



This preview shows how black text looks on a background with the XYZ color 81.1549, 93.0180, 100.0632.



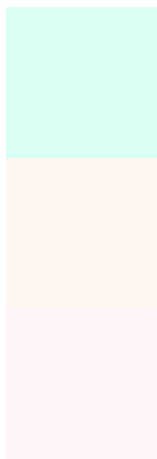
This preview shows how white text looks on a background with the XYZ color 81.1549, 93.0180,

100.0632.

# 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

81.1549, 93.0180, 100.0632

### Protanopia

88.5255, 92.2915, 95.5863

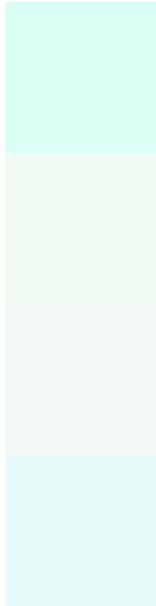
### Deuteranopia

90.3792, 92.6768, 101.1206

## **Tritanopia**

87.2140, 92.7055, 107.9050

# Trichromacy



## Original Color

81.1549, 93.0180, 100.0632

## Protanomaly

85.8379, 92.6874, 97.3707

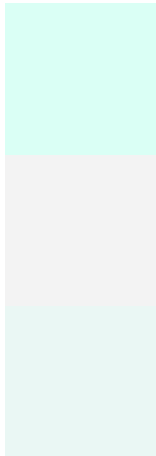
## Deuteranomaly

86.8199, 92.6659, 100.4992

## Tritanomaly

84.8648, 92.9483, 104.7348

# Monochromacy



## Original Color

81.1549, 93.0180, 100.0632

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

83.5216, 90.5456, 98.6629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.1549, 93.0180, 100.0632 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(218, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 245)  
}
```

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(218, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 81.1549, 93.0180, 100.0632 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(218, 255, 245) }
```



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

```
.border{ border-color:rgb(218, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.1549, 93.0180, 100.0632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 245) }
```

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

```
.background{ background-color: rgb(218,  
255, 245) }
```

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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