

# Converting Colors

XYZ(81.3501, 92.3117,  
108.1381)

Have a look what the booklet for  
XYZ(81.3501, 92.3117, 108.1381)  
contains.

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# **Color**

**XYZ(81.5161, 92.5507,  
108.1755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FEFF
RGB	215, 254, 255
RGB Percent	84%, 100%, 100%
CMY	0.1569, 0.0039, 0.0000
CMYK	0.16, 0.00, 0.00, 0.00
HSL	181°, 100%, 92%
HSV	181°, 16%, 100%
XYZ	81.5161, 92.5507, 108.1755
YIQ	242.4530, -23.5650, -7.9570

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 235, 255
Decimal	14155519
CIE Lab	97.04, -12.21, -4.66
CIE LCh	97, 13.073, 200.887
Yxy	92.5507, 0.2888, 0.3279
Android (android.graphics.Color)	4292345599 (0xFFD7FEFF)
YUV	242.4530, 6.1857, -24.0763
Hunter-Lab	96.2033, -17.1070, 0.6738

# Details

The XYZ color **81.5161, 92.5507, 108.1755** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0611, 75.2766, 74.7070**, and the grayscale version is **84.7248, 89.1371, 97.0703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6565, 51.4833, 61.0097** is the 20% darker color. If you saturate the color by 10%, you get **74.4037, 88.5883, 107.7855**, and if you desaturate by 10%, it is **89.8010, 97.1235, 108.6214**.

# Distribution



- Red (84%)
- Green (100%)
- Blue (100%)



- Red (84%)
- Yellow (92%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5161, 92.5507, 108.1755 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 81.5161, 92.5507, 108.1755 by changing the saturation by 10% instead.



81.5161, 92.5507,  
108.1755

81.5161, 92.5507,  
108.1755

488.6867,  
536.2937, 607.5671

61.2795, 70.0981,  
82.4907

134.4346,  
150.8764, 174.4972

44.7042, 51.6065,  
61.2319

167.8471,  
187.5183, 215.9712

31.4248, 36.6915,  
43.9806

206.3824,  
229.6588, 263.5453

21.0759, 24.9688,  
30.3182

250.4057,  
277.6823, 317.6381

13.2923, 16.0538,  
19.8261

300.2825,  
331.9731, 378.6682

7.7085, 9.5622,  
12.0859

356.3780,

3.9592, 5.1097,

392.9157, 447.0540

6.6790

419.0576,  
460.8944, 523.2141

■ 1.6791, 2.3118,  
3.1868

■ 0.4431, 0.7799,  
1.1908

■ 81.5161, 92.5507,  
108.1755

■ 81.5161, 92.5507,  
108.1755

■ 74.4037, 88.5883,  
107.7855

■ 89.8010, 97.1235,  
108.6214

■ 68.4026, 85.1974,  
107.4473

95.0500, 100.0000,  
108.9000

■ 63.4573, 82.3517,  
107.1587

■ 59.5041, 80.0185,  
106.9167

■ 56.4731, 78.1616,  
106.7180

■ 54.2847, 76.7401,  
106.5590

■ 52.8462, 75.7062,  
106.4352

■ 52.0428, 75.0006,  
106.3414

■ 51.8203, 74.7605,  
106.3068

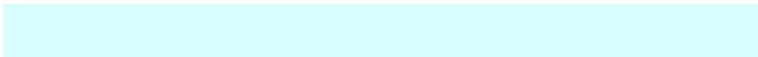
# Harmonies

## Analogous

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



81.1593, 92.5507, 97.5943



81.5161, 92.5507, 108.1755



83.5752, 92.5507, 117.3381

# Triad

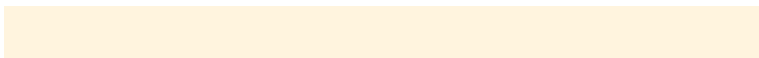
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5161, 92.5507, 108.1755



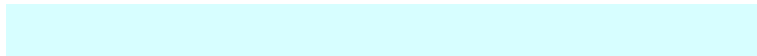
93.5754, 92.5507, 114.1130



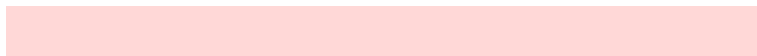
89.0929, 92.5507, 82.0473

# Complementary

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



81.5161, 92.5507, 108.1755



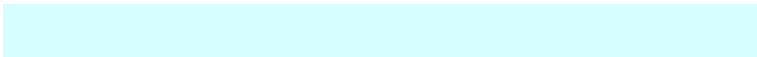
78.0611, 75.2766, 74.7070

# 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.



92.5093, 92.5507, 85.8434



81.5161, 92.5507, 108.1755



95.1444, 92.5507, 104.0179

# Square

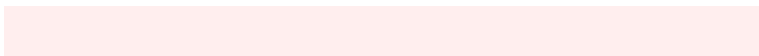
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5161, 92.5507, 108.1755



90.5151, 92.5507, 120.9288



94.7489, 92.5507, 93.7142



85.4665, 92.5507, 82.9895

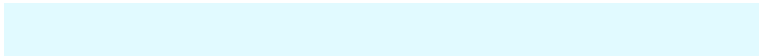


# Rectangle

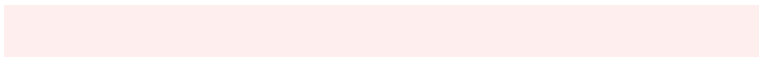
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5161, 92.5507, 108.1755



85.6686, 92.5507, 121.1714



94.7489, 92.5507, 93.7142



90.3054, 92.5507, 82.8011

# Sweetspot

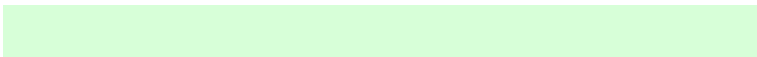
The Sweet Spot groups the original color and five complimentary colors.



81.5185, 92.5544, 108.1760



90.4128, 97.4594, 108.6540



76.1369, 90.9082, 78.2757



19.2178, 20.7866, 23.2493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

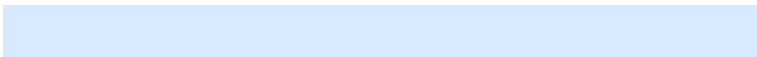
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5185, 92.5544, 108.1760



79.0334, 91.1743, 108.0406



75.5931, 80.7037, 106.2009



18.5139, 20.3993, 23.2116



27.0947, 39.0989, 55.5534



2.6499, 3.8305, 5.4130



# Inverse Universe

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



83.4313, 77.0181, 104.2391



81.3005, 72.8105, 103.3629



83.4059, 85.9662, 76.4886



18.7720, 18.2921, 22.6826



30.4643, 14.6750, 47.9571

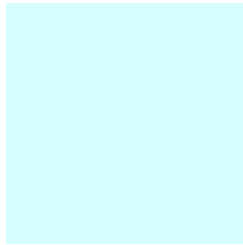


2.9722, 1.4312, 4.7008



# Previews

## White Background



This preview shows how the XYZ color 81.5161, 92.5507, 108.1755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

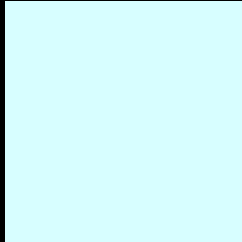
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.5161, 92.5507, 108.1755 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

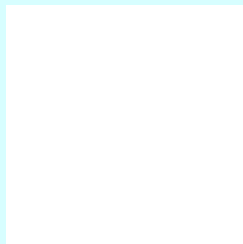
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.5161, 92.5507, 108.1755

## Background



This preview shows how black text looks on a background with the XYZ color 81.5161, 92.5507, 108.1755.



This preview shows how white text looks on a background with the XYZ color 81.5161, 92.5507,



# Color Blindness Simulation

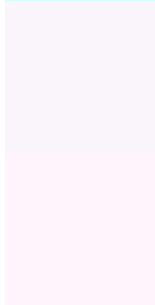
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

81.5161, 92.5507, 108.1755



### Protanopia

88.9746, 92.3467, 103.5777

### Deuteranopia

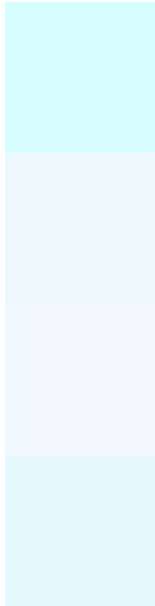
90.8613, 92.3895, 105.1395



## Tritanopia

86.5425, 92.3593, 107.8736

# Trichromacy



## Original Color

81.5161, 92.5507, 108.1755

## Protanomaly

86.0631, 92.1676, 105.3496

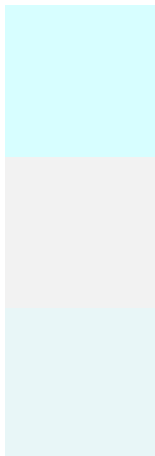
## Deuteranomaly

86.9256, 92.1386, 106.1316

## Tritanomaly

84.5487, 92.2492, 107.9574

# Monochromacy



## Original Color

81.5161, 92.5507, 108.1755

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.0230, 89.7827, 100.9497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.5161, 92.5507, 108.1755 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(215, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 254, 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(215, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 81.5161, 92.5507, 108.1755 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(215, 254, 255) }
```



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

```
.border{ border-color:rgb(215, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.5161, 92.5507, 108.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 254, 255) }
```

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

```
.background{ background-color: rgb(215,  
254, 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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