

# Converting Colors

XYZ(73.9248, 82.1040,  
101.2737)

Have a look what the booklet for  
XYZ(73.9248, 82.1040, 101.2737)  
contains.

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# Color

**XYZ(73.9778, 81.9825,  
101.5477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EFF9
RGB	208, 239, 249
RGB Percent	82%, 94%, 98%
CMY	0.1843, 0.0627, 0.0235
CMYK	0.16, 0.04, 0.00, 0.02
HSL	195°, 77%, 90%
HSV	195°, 16%, 98%
XYZ	73.9778, 81.9825, 101.5477
YIQ	230.8710, -21.6860, -3.4620

# Conversions

## Conversions Part 2

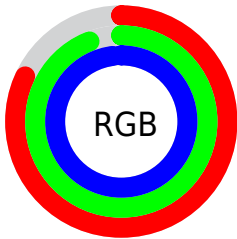
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 226, 249
Decimal	13692921
CIE Lab	92.57, -8.03, -8.22
CIE LCh	93, 11.493, 225.658
Yxy	81.9825, 0.2873, 0.3184
Android (android.graphics.Color)	4291883001 (0xFFD0EFF9)
YUV	230.8710, 8.9376, -20.0579
Hunter-Lab	90.5442, -12.6115, -3.1144

# Details

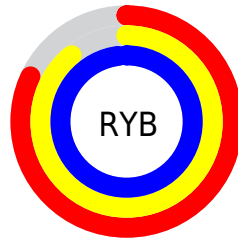
The XYZ color **73.9778, 81.9825, 101.5477** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5240, 74.8364, 70.1403**, and the grayscale version is **75.8089, 79.7569, 86.8552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6960, 44.4895, 56.9472** is the 20% darker color. If you saturate the color by 10%, you get **65.7721, 75.1599, 100.6646**, and if you desaturate by 10%, it is **83.3471, 89.4979, 102.5058**.

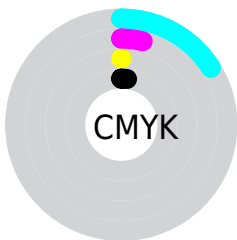
# Distribution



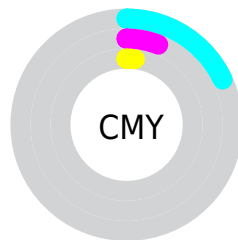
- Red (82%)
- Green (94%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9778, 81.9825, 101.5477 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 73.9778, 81.9825, 101.5477 by changing the saturation by 10% instead.



■ 73.9778, 81.9825,  
101.5477

■ 73.9778, 81.9825,  
101.5477

463.4482,  
501.5892, 586.4324

■ 55.0671, 61.3511,  
76.9696

123.8600,  
136.1495, 165.3528

■ 39.6895, 44.5086,  
56.7165

155.5622,  
170.4538, 205.4170

■ 27.4797, 31.0705,  
40.3699

192.2590,  
210.0846, 251.4803

■ 18.0722, 20.6526,  
27.5111

234.3156,  
255.4263, 303.9612

■ 11.1019, 12.8703,  
17.7216

282.0975,  
306.8632, 363.2784

■ 6.2032, 7.3393,  
10.5829

335.9700,

■ 3.0109, 3.6752,

364.7797, 429.8503

5.6765

396.2985,  
429.5602, 504.0954

■ 1.1595, 1.4936,  
2.5838

■ 0.0740, 0.2842,  
0.8841

■ 73.9778, 81.9825,  
101.5477

■ 73.9778, 81.9825,  
101.5477

■ 65.7721, 75.1599,  
100.6646

■ 83.3471, 89.4979,  
102.5058

■ 58.6710, 68.9924,  
99.8484

■ 92.8824, 97.1862,  
103.4872

■ 52.6212, 63.4537,  
99.0982

■ 94.0991, 99.6197,  
103.8928

■ 47.5617, 58.5116,  
98.4110

■ 43.4253, 54.1305,  
97.7833

■ 40.1356, 50.2702,  
97.2116

■ 37.6035, 46.8836,  
96.6914

■ 35.7173, 43.9124,  
96.2173

■ 35.1443, 42.9300,  
96.0579

# Harmonies

## Analogous

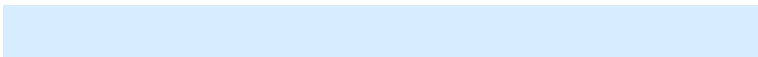
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5237, 81.9825, 93.7765



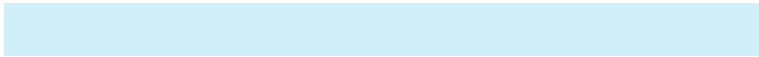
73.9778, 81.9825, 101.5477



76.5085, 81.9825, 106.1606

# Triad

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



73.9778, 81.9825, 101.5477



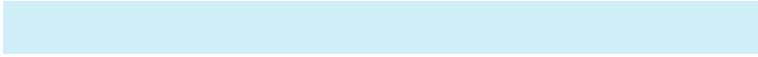
83.6173, 81.9825, 93.4000



76.3827, 81.9825, 74.3509

# Complementary

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



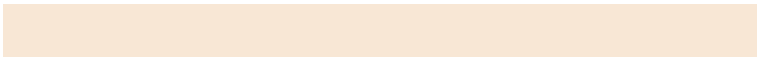
73.9778, 81.9825, 101.5477



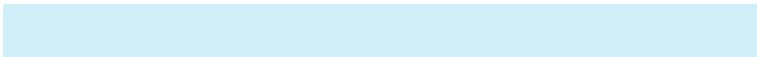
75.5240, 74.8364, 70.1403

# 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.



79.3527, 81.9825, 74.2644



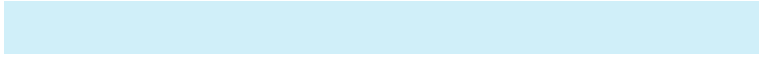
73.9778, 81.9825, 101.5477



83.5816, 81.9825, 84.9006

# Square

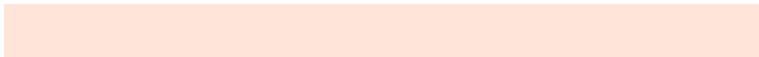
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



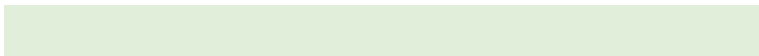
73.9778, 81.9825, 101.5477



82.1003, 81.9825, 101.2570



82.0038, 81.9825, 78.0150

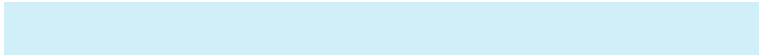


73.8878, 81.9825, 78.2593



# Rectangle

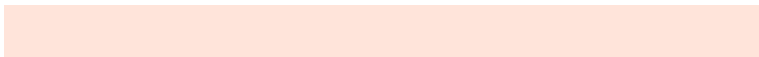
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9778, 81.9825, 101.5477



78.4893, 81.9825, 106.6466



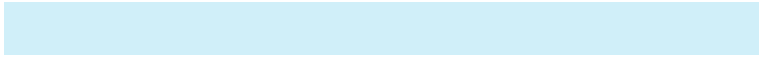
82.0038, 81.9825, 78.0150



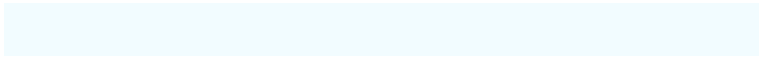
77.3573, 81.9825, 73.8827

# Sweetspot

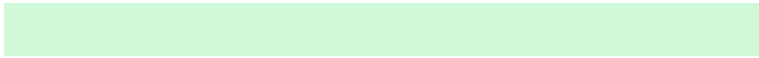
The Sweet Spot groups the original color and five complimentary colors.



73.9802, 81.9859, 101.5495



89.5301, 95.6941, 108.3598



72.4878, 86.2020, 78.8523



19.0026, 20.3562, 23.1775



0.0000, 0.0000, 0.0000

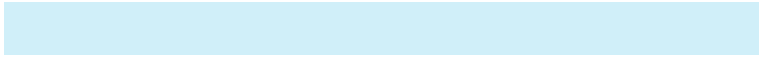


20.3446, 21.4041, 23.3091

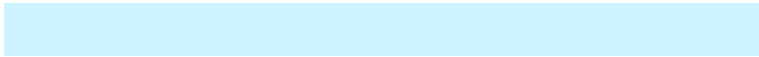


# Same Dimension

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



73.9802, 81.9859, 101.5495



74.8724, 83.8986, 106.8556



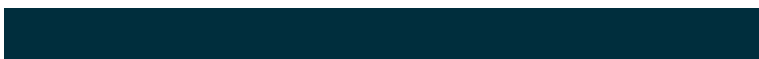
68.4269, 70.8792, 99.6984



17.3863, 18.8494, 22.1072



18.9289, 23.2134, 51.4565



1.8356, 2.3149, 4.7932



# Inverse Universe

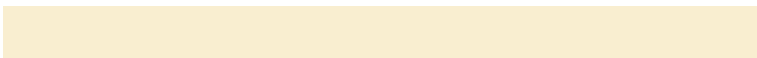
The Inverse Universe completely reimagines the original color for something new.



77.2047, 71.4852, 91.3942



78.9449, 70.8906, 93.9725



81.0474, 85.8832, 71.9814



17.8015, 17.4480, 20.8106



25.8465, 12.7543, 26.9636

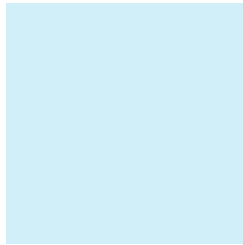


2.4354, 1.1979, 2.7165



# Previews

## White Background



This preview shows how the XYZ color 73.9778, 81.9825, 101.5477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

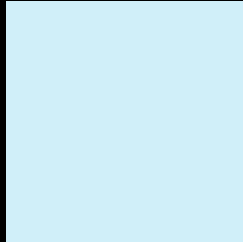
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9778, 81.9825, 101.5477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

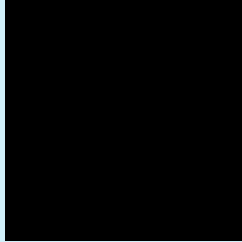
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.9778, 81.9825, 101.5477

## Background



This preview shows how black text looks on a background with the XYZ color 73.9778, 81.9825, 101.5477.



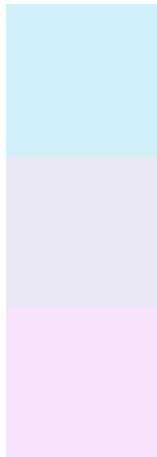
This preview shows how white text looks on a background with the XYZ color 73.9778, 81.9825,



# 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

73.9778, 81.9825, 101.5477

### Protanopia

79.2697, 81.7982, 97.9969

### Deuteranopia

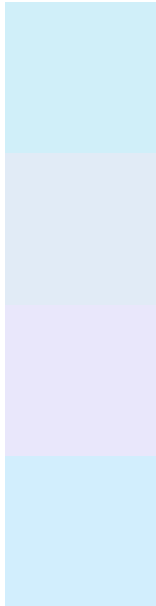
83.7512, 81.9229, 103.4940



## **Tritanopia**

75.1982, 81.6373, 106.4019

# Trichromacy



## Original Color

73.9778, 81.9825, 101.5477

## Protanomaly

77.3942, 82.0780, 98.9523

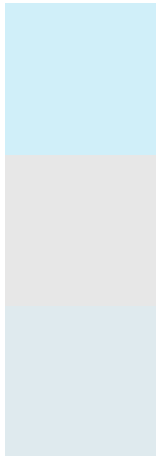
## Deuteranomaly

79.5928, 81.4405, 102.7914

## Tritanomaly

74.8825, 81.9426, 104.7983

# Monochromacy



## Original Color

73.9778, 81.9825, 101.5477

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.2869, 80.7067, 92.4988

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9778, 81.9825, 101.5477 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(208, 239, 249)` looks like.

```
.text, #text, p{  
    color:rgb(208, 239, 249)  
}
```

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(208, 239, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 239, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9778, 81.9825, 101.5477 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(208, 239, 249) }
```



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

```
.border{ border-color:rgb(208, 239, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 239, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 239, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 239, 249);  
box-shadow:4px 4px 4px 4px rgb(208, 239,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9778, 81.9825, 101.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 239, 249) }
```

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

```
.background{ background-color: rgb(208,  
239, 249) }
```

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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