

# Converting Colors

XYZ(73.5078, 82.1984,  
106.5994)

Have a look what the booklet for  
XYZ(73.5078, 82.1984, 106.5994)  
contains.

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# Color

**XYZ(73.2975, 81.9577,  
106.5640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F0FF
RGB	201, 240, 255
RGB Percent	79%, 94%, 100%
CMY	0.2118, 0.0588, 0.0000
CMYK	0.21, 0.06, 0.00, 0.00
HSL	197°, 100%, 89%
HSV	197°, 21%, 100%
XYZ	73.2975, 81.9577, 106.5640
YIQ	230.0490, -28.0590, -3.6030

# Conversions

## Conversions Part 2

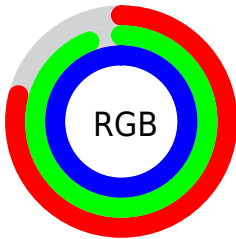
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 224, 255
Decimal	13234431
CIE <sub>Lab</sub>	92.56, -9.40, -11.40
CIE <sub>LCh</sub>	93, 14.779, 230.504
Y <sub>xy</sub>	81.9577, 0.2800, 0.3130
Android (android.graphics.Color)	4291424511 (0xFFC9F0FF)
Y <sub>UV</sub>	230.0490, 12.3008, -25.4760
Hunter-Lab	90.5305, -13.9068, -6.4193

# Details

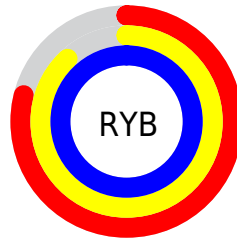
The XYZ color **73.2975, 81.9577, 106.5640** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3383, 74.5879, 65.6335**, and the grayscale version is **75.1786, 79.0938, 86.1331**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1876, 44.4692, 59.9441** is the 20% darker color. If you saturate the color by 10%, you get **64.9595, 74.6267, 105.5884**, and if you desaturate by 10%, it is **82.8591, 90.0445, 107.6209**.

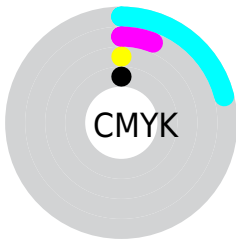
# Distribution



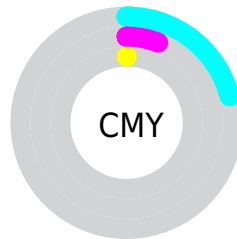
- Red (79%)
- Green (94%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2975, 81.9577, 106.5640 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 73.2975, 81.9577, 106.5640 by changing the saturation by 10% instead.



73.2975, 81.9577,  
106.5640

73.2975, 81.9577,  
106.5640

461.1331,  
501.5062, 602.4642

54.5085, 61.3307,  
81.1463

122.9003,  
136.1147, 172.2790

39.2406, 44.4921,  
60.1304

154.4448,  
170.4134, 213.4134

27.1285, 31.0576,  
43.0977

190.9719,  
210.0382, 260.6238

17.8069, 20.6427,  
29.6298

232.8469,  
255.3734, 314.3287

10.9103, 12.8631,  
19.3081

280.4352,  
306.8034, 374.9466

6.0734, 7.3343,  
11.7141

334.1021,

2.9308, 3.6720,

364.7126, 442.8962

6.4291

394.2129,  
429.4854, 518.5958

■ 1.1173, 1.4919,  
3.0348

■ 0.0395, 0.2830,  
1.1124

■ 73.2975, 81.9577,  
106.5640

■ 73.2975, 81.9577,  
106.5640

■ 64.9595, 74.6267,  
105.5884

■ 82.8591, 90.0445,  
107.6209

■ 57.7816, 68.0111,  
104.6898

■ 93.6910, 98.9061,  
108.7605

■ 51.7042, 62.0809,  
103.8655

■ 95.0500, 100.0000,  
108.9000

■ 46.6593, 56.7995,  
103.1119

■ 42.5711, 52.1267,  
102.4255

■ 39.3528, 48.0159,  
101.8016

■ 36.8999, 44.4120,  
101.2353

■ 35.2291, 41.5783,  
100.7764

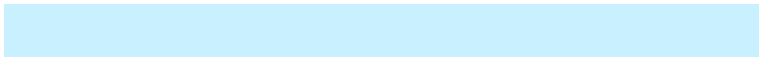
# Harmonies

## Analogous

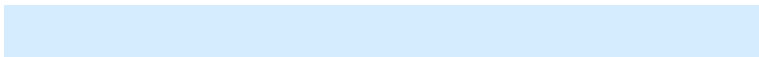
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1874, 81.9577, 96.8488



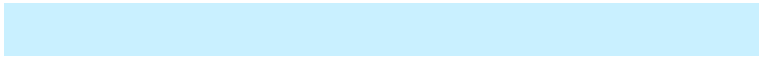
73.2975, 81.9577, 106.5640



76.6869, 81.9577, 111.7527

# Triad

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



73.2975, 81.9577, 106.5640



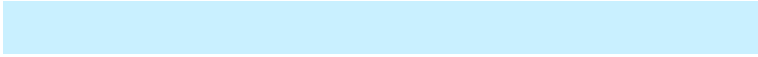
85.4073, 81.9577, 92.7711



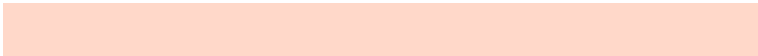
75.3415, 81.9577, 70.8668

# Complementary

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



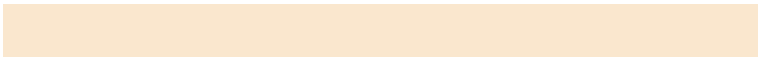
73.2975, 81.9577, 106.5640



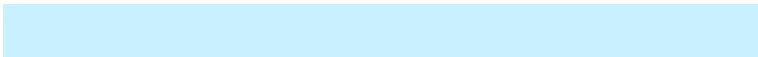
76.3383, 74.5879, 65.6335

# 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.



79.1224, 81.9577, 69.9706



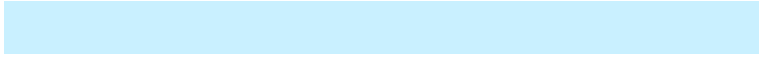
73.2975, 81.9577, 106.5640



85.0183, 81.9577, 82.0367

# Square

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



73.2975, 81.9577, 106.5640



83.7339, 81.9577, 103.3692



82.6878, 81.9577, 73.8998

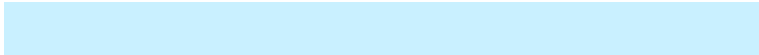


72.3404, 81.9577, 76.4572



# Rectangle

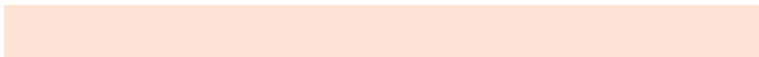
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



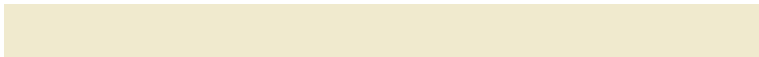
73.2975, 81.9577, 106.5640



79.2516, 81.9577, 111.6777



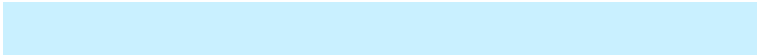
82.6878, 81.9577, 73.8998



76.5605, 81.9577, 70.0255

# Sweetspot

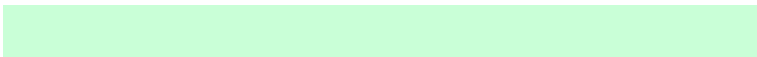
The Sweet Spot groups the original color and five complimentary colors.



73.2997, 81.9609, 106.5645



88.3029, 94.5318, 108.2001



72.1656, 88.8649, 77.9103



18.7493, 20.1100, 23.1434



0.0000, 0.0000, 0.0000

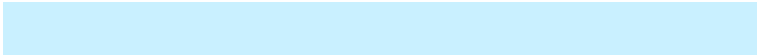


20.3446, 21.4041, 23.3091

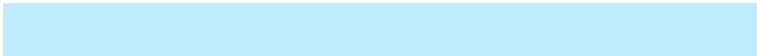


# Same Dimension

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



73.2997, 81.9609, 106.5645



69.9689, 79.0690, 106.1818



66.0842, 67.5299, 104.1593



18.1034, 19.5784, 23.0748



18.5400, 21.9896, 52.7018



1.8971, 2.3249, 5.1620



# Inverse Universe

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



77.8562, 69.3262, 91.7197



75.2548, 64.7625, 88.8821



83.6545, 89.2202, 68.0723



18.5648, 18.2092, 21.5916



26.1463, 12.9478, 25.2188

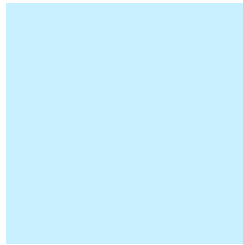


2.5922, 1.2792, 2.6999



# Previews

## White Background



This preview shows how the XYZ color 73.2975, 81.9577, 106.5640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

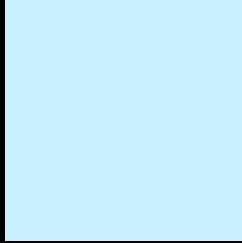
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2975, 81.9577, 106.5640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

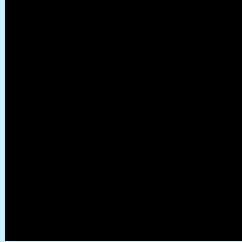
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.2975, 81.9577, 106.5640

## Background



This preview shows how black text looks on a background with the XYZ color 73.2975, 81.9577, 106.5640.



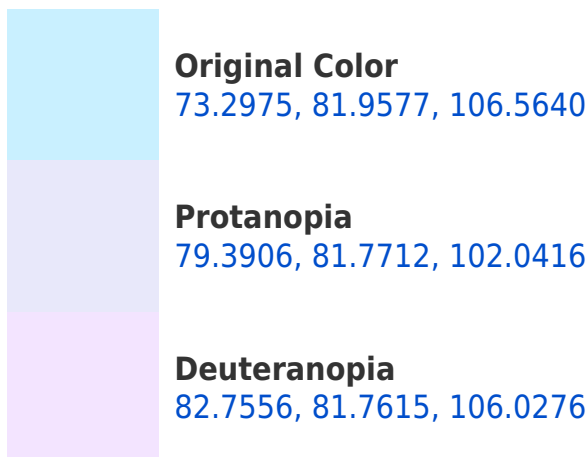
This preview shows how white text looks on a background with the XYZ color 73.2975, 81.9577,



# 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

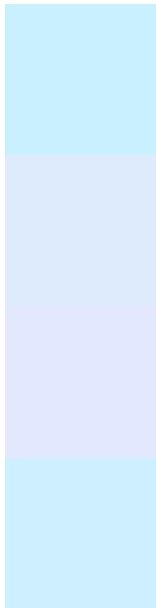




## Tritanopia

74.6486, 82.2184, 106.5431

# Trichromacy



## Original Color

73.2975, 81.9577, 106.5640

## Protanomaly

77.0978, 81.8171, 103.8242

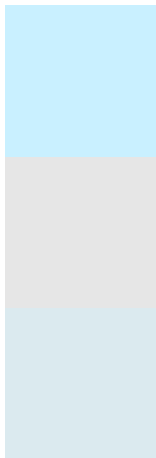
## Deuteranomaly

78.9015, 81.4272, 106.1662

## Tritanomaly

74.0933, 81.9321, 106.5171

# Monochromacy



## Original Color

73.2975, 81.9577, 106.5640

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.2162, 80.1377, 93.2179

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2975, 81.9577, 106.5640 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(201, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 240, 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(201, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2975, 81.9577, 106.5640 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(201, 240, 255) }
```



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

```
.border{ border-color:rgb(201, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2975, 81.9577, 106.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 240, 255) }
```

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

```
.background{ background-color: rgb(201,  
240, 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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