

# Converting Colors

XYZ(73.9768, 89.7975, 78.0416)

Have a look what the booklet for  
XYZ(73.9768, 89.7975, 78.0416)  
contains.

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# Color

**XYZ(74.0382, 89.8362,  
77.7279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFD7
RGB	208, 255, 215
RGB Percent	82%, 100%, 84%
CMY	0.1843, 0.0000, 0.1569
CMYK	0.18, 0.00, 0.16, 0.00
HSL	129°, 100%, 91%
HSV	129°, 18%, 100%
XYZ	74.0382, 89.8362, 77.7279
YIQ	236.3870, -15.1720, -22.4040

# Conversions

## Conversions Part 2

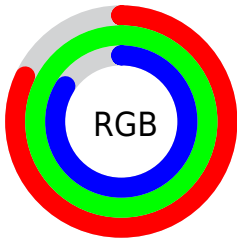
Format	Color
R <sub>Y</sub> B	208, 249, 255
Decimal	13696983
CIE <sub>Lab</sub>	95.93, -22.40, 14.23
CIE <sub>LCh</sub>	96, 26.538, 147.561
Yxy	89.8362, 0.3064, 0.3718
Android (android.graphics.Color)	4291887063 (0xFFD0FFD7)
YUV	236.3870, -10.5438, -24.8954
Hunter-Lab	94.7820, -26.4345, 17.7254

# Details

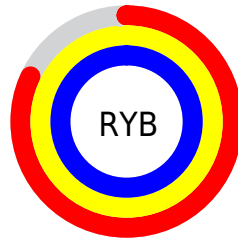
The XYZ color **74.0382, 89.8362, 77.7279** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.7395, 73.1499, 98.6705**, and the grayscale version is **80.1116, 84.2836, 91.7849**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6761, 49.6985, 40.7593** is the 20% darker color. If you saturate the color by 10%, you get **64.8293, 85.3900, 63.6930**, and if you desaturate by 10%, it is **84.7711, 95.0253, 93.7679**.

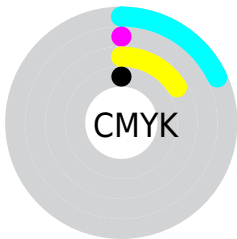
# Distribution



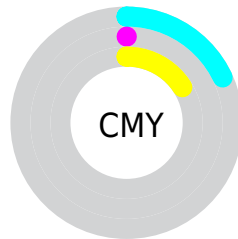
- Red (82%)
- Green (100%)
- Blue (84%)



- Red (82%)
- Yellow (98%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0382, 89.8362, 77.7279 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 74.0382, 89.8362, 77.7279 by changing the saturation by 10% instead.




 74.0382, 89.8362,  
77.7279

 74.0382, 89.8362,  
77.7279


463.6535,  
527.4979, 506.7457

 55.1167, 67.8448,  
57.3354


123.9452,  
147.1108, 131.9489

 39.7294, 49.7715,  
40.8634

155.6613,  
183.1629, 166.6144

 27.5109, 35.2319,  
27.8935

192.3731,  
224.6706, 206.8746

 18.0958, 23.8415,  
18.0070

234.4459,  
272.0183, 253.1481

 11.1189, 15.2161,  
10.7855

282.2449,  
325.5906, 305.8534

 6.2148, 8.9712,  
5.8105

336.1356,

 3.0180, 4.7224,

385.7716, 365.4091

2.6633

396.4834,  
452.9459, 432.2337

■ 1.1633, 2.0853,  
0.9248

■ 0.0771, 0.6564,  
0.0000

■ 74.0382, 89.8362,  
77.7279

■ 74.0382, 89.8362,  
77.7279

■ 64.8293, 85.3900,  
63.6930

■ 84.7711, 95.0253,  
93.7679

■ 57.0728, 81.6514,  
51.5801

95.0500, 100.0000,  
108.9000

■ 50.6947, 78.5841,  
41.3070

■ 45.6132, 76.1479,  
32.7834

■ 41.7380, 74.2983,  
25.9117

■ 38.9671, 72.9848,  
20.5847

■ 37.1807, 72.1485,  
16.6822

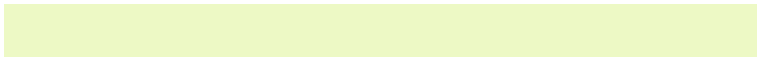
■ 36.2171, 71.7086,  
14.0658

■ 36.1096, 71.6598,  
13.7608

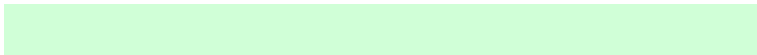
# Harmonies

## Analogous

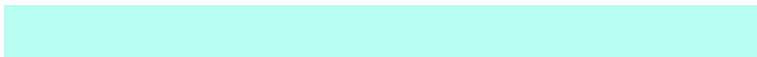
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0315, 89.8362, 66.2258



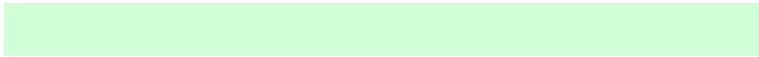
74.0382, 89.8362, 77.7279



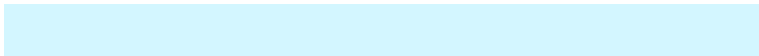
72.0683, 89.8362, 96.1093

# Triad

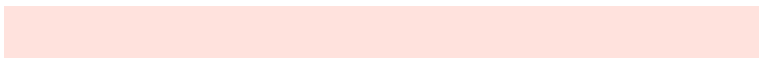
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.0382, 89.8362, 77.7279



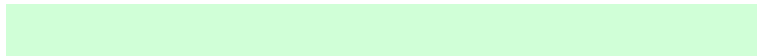
84.7885, 89.8362, 143.9271



98.4971, 89.8362, 80.3074

# Complementary

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



74.0382, 89.8362, 77.7279



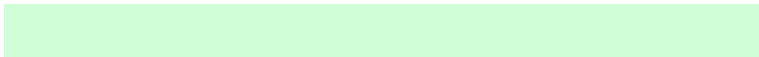
80.7395, 73.1499, 98.6705

# 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.



100.2522, 89.8362, 99.5435



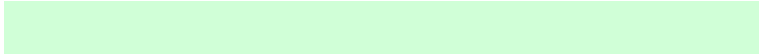
74.0382, 89.8362, 77.7279



92.0736, 89.8362, 138.1296

# Square

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



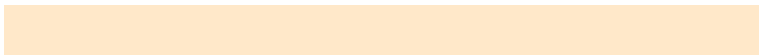
74.0382, 89.8362, 77.7279



78.0493, 89.8362, 135.9796



97.8392, 89.8362, 121.0982

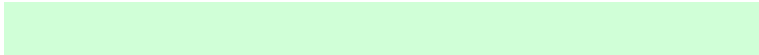


93.1699, 89.8362, 67.5585



# Rectangle

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



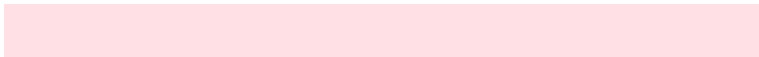
74.0382, 89.8362, 77.7279



72.6450, 89.8362, 110.5045



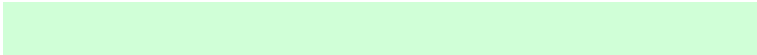
97.8392, 89.8362, 121.0982



99.5373, 89.8362, 86.1386

# Sweetspot

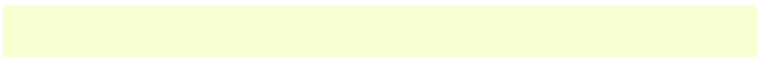
The Sweet Spot groups the original color and five complimentary colors.



74.0389, 89.8365, 77.7293



87.6173, 96.4023, 97.9774



86.1174, 96.1650, 73.6984



18.5880, 20.5539, 20.7265



0.0000, 0.0000, 0.0000

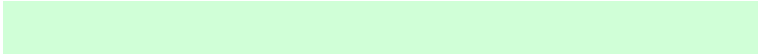


20.3446, 21.4041, 23.3091

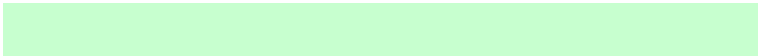


# Same Dimension

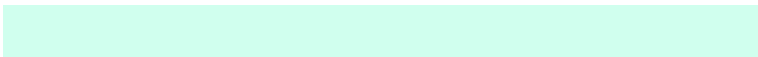
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0389, 89.8365, 77.7293



70.5805, 88.1660, 72.4935



77.1713, 91.0895, 94.2244



17.8818, 20.2122, 19.6805



18.9008, 37.4569, 7.3631



1.8714, 3.6595, 0.8804



# Inverse Universe

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



80.7395, 73.1499, 98.6705



78.3740, 68.7543, 96.8480



77.4189, 71.8216, 81.1845



18.6695, 18.2511, 22.1427



28.1384, 13.7447, 35.7091

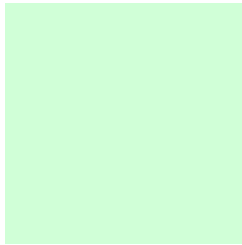


2.7700, 1.3504, 3.6361



# Previews

## White Background



This preview shows how the XYZ color 74.0382, 89.8362, 77.7279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

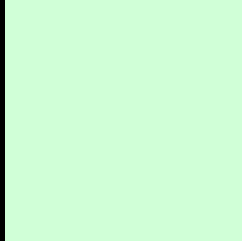
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0382, 89.8362, 77.7279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

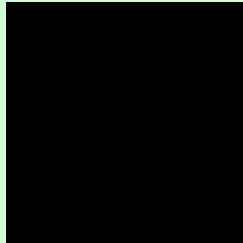
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

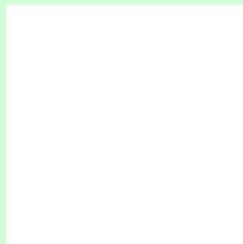
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.0382, 89.8362, 77.7279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.0382, 89.8362, 77.7279.



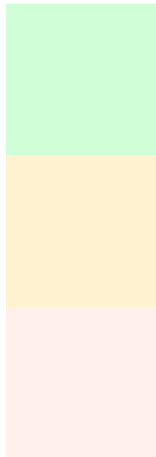
This preview shows how white text looks on a background with the XYZ color 74.0382, 89.8362,

77.7279.

# 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

74.0382, 89.8362, 77.7279

### Protanopia

84.3773, 89.3183, 72.4675

### Deuteranopia

87.3955, 89.5783, 91.2814



## **Tritanopia**

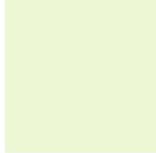
83.6574, 89.5137, 107.4764

# Trichromacy



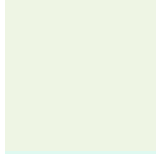
## Original Color

74.0382, 89.8362, 77.7279



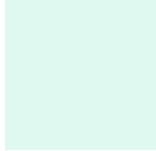
## Protanomaly

80.2785, 89.4018, 74.6532



## Deuteranomaly

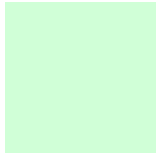
81.9159, 89.0834, 86.2762



## Tritanomaly

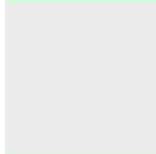
80.0353, 89.7306, 95.5395

# Monochromacy



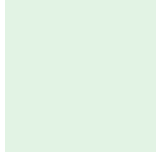
## Original Color

74.0382, 89.8362, 77.7279



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.4182, 85.8714, 85.8932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0382, 89.8362, 77.7279 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, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 215)  
}
```

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, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0382, 89.8362, 77.7279 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, 255, 215) }
```



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

```
.border{ border-color:rgb(208, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0382, 89.8362, 77.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 215) }
```

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

```
.background{ background-color: rgb(208,  
255, 215) }
```

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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