

# Converting Colors

XYZ(72.8739, 86.5228, 66.8577)

Have a look what the booklet for  
XYZ(72.8739, 86.5228, 66.8577)  
contains.

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# **Color**

**XYZ(73.0979, 86.7803,  
66.9304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF9C7
RGB	218, 249, 199
RGB Percent	85%, 98%, 78%
CMY	0.1451, 0.0235, 0.2196
CMYK	0.12, 0.00, 0.20, 0.02
HSL	97°, 81%, 88%
HSV	97°, 20%, 98%
XYZ	73.0979, 86.7803, 66.9304
YIQ	234.0310, -2.4260, -22.1220

# Conversions

## Conversions Part 2

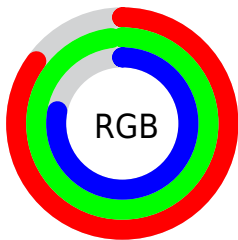
Format	Color
<b>RYB</b>	199, 249, 230
Decimal	14350791
CIELab	94.64, -18.82, 20.71
CIELCh	95, 27.987, 132.256
Yxy	86.7803, 0.3223, 0.3826
Android (android.graphics.Color)	4292540871 (0xFFDAF9C7)
YUV	234.0310, -17.2703, -14.0592
Hunter-Lab	93.1559, -22.9570, 22.6107

# Details

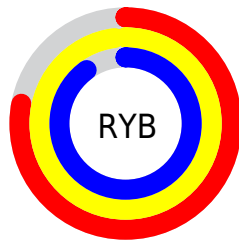
The XYZ color **73.0979, 86.7803, 66.9304** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1590, 64.5118, 98.3814**, and the grayscale version is **78.3601, 82.4410, 89.7782**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0647, 47.5301, 33.9034** is the 20% darker color. If you saturate the color by 10%, you get **66.0366, 83.4498, 52.7232**, and if you desaturate by 10%, it is **81.0670, 90.5293, 83.6530**.

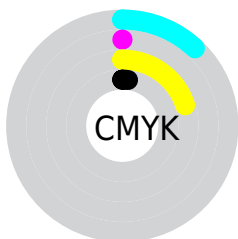
# Distribution



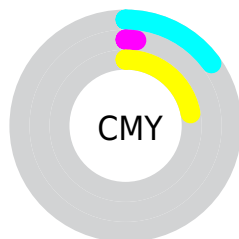
- Red (85%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0979, 86.7803, 66.9304 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 73.0979, 86.7803, 66.9304 by changing the saturation by 10% instead.




 73.0979, 86.7803,  
66.9304

 73.0979, 86.7803,  
66.9304


460.4526,  
517.5007, 468.1917

 54.3447, 65.3134,  
48.5668


122.6186,  
142.8579, 116.4604

 39.1091, 47.7153,  
33.9128


154.1167,  
178.2373, 148.4639

 27.0257, 33.6014,  
22.5498


190.5939,  
219.0231, 185.8511

 17.7292, 22.5876,  
14.0593

232.4155,  
265.5996, 229.0405

 10.8543, 14.2893,  
8.0227

279.9467,  
318.3513, 278.4508

 6.0355, 8.3221,  
4.0215

333.5531,

 2.9075, 4.3018,

377.6624, 334.5004

1.6371

393.6000,  
443.9174, 397.6078

■ 1.1051, 1.8438,  
0.3171

■ 0.0293, 0.5142,  
0.0000

■ 73.0979, 86.7803,  
66.9304

■ 73.0979, 86.7803,  
66.9304

■ 66.0366, 83.4498,  
52.7232

■ 81.0670, 90.5293,  
83.6530

■ 59.8416, 80.5114,  
40.9042

■ 89.9698, 94.6999,  
102.9986

■ 54.4781, 77.9524,  
31.3436

■ 93.1674, 96.2349,  
108.2725

■ 49.9060, 75.7555,  
23.8968

■ 46.0814, 73.9015,  
18.4028

■ 42.9551, 72.3691,  
14.6771

■ 40.4706, 71.1339,  
12.4999

■ 38.5563, 70.1669,  
11.5114

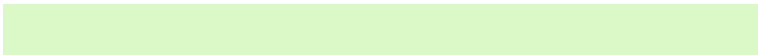
# Harmonies

## Analogous

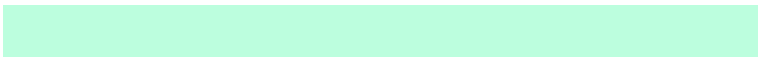
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4378, 86.7803, 59.3982



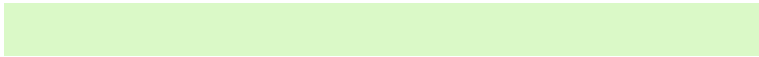
73.0979, 86.7803, 66.9304



69.4107, 86.7803, 82.3734

# Triad

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



73.0979, 86.7803, 66.9304



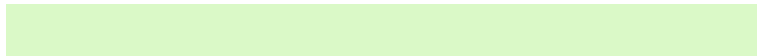
78.1354, 86.7803, 139.8890



97.5011, 86.7803, 85.9330

# Complementary

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



73.0979, 86.7803, 66.9304



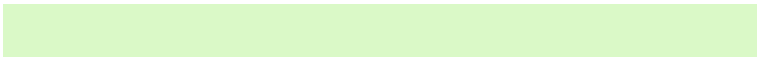
70.1590, 64.5118, 98.3814

# Split Complementary

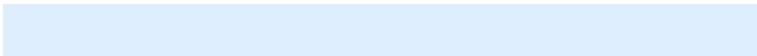
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0994, 86.7803, 107.7379



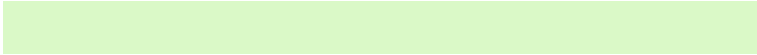
73.0979, 86.7803, 66.9304



85.6032, 86.7803, 141.2318

# Square

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



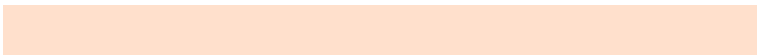
73.0979, 86.7803, 66.9304



72.1947, 86.7803, 125.3030



92.6369, 86.7803, 128.7319

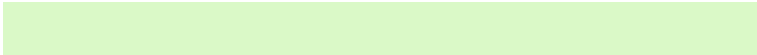


93.7030, 86.7803, 69.1925

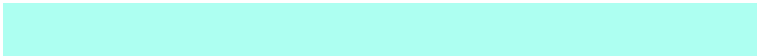


# Rectangle

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



73.0979, 86.7803, 66.9304



68.8068, 86.7803, 96.1357



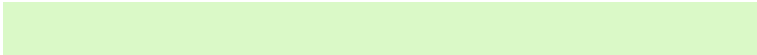
92.6369, 86.7803, 128.7319



97.8589, 86.7803, 92.8612

# Sweetspot

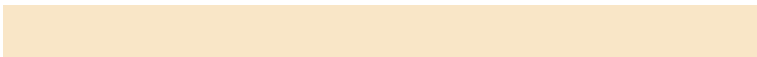
The Sweet Spot groups the original color and five complimentary colors.



73.1002, 86.7841, 66.9323



89.2791, 97.2984, 96.2796



77.6296, 80.7677, 65.5323



18.9796, 20.7650, 20.3270



0.0000, 0.0000, 0.0000

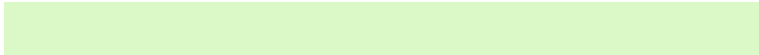


20.3446, 21.4041, 23.3091

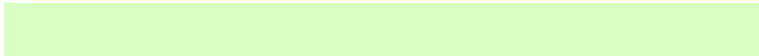


# Same Dimension

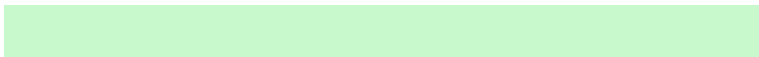
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1002, 86.7841, 66.9323



74.1062, 90.1659, 64.4192



68.4308, 84.2971, 70.3180



17.6407, 19.6305, 18.3217



20.7831, 37.6323, 6.1684



2.0386, 3.5440, 0.5766



# Inverse Universe

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



70.1590, 64.5118, 98.3814



70.4939, 62.8281, 103.0193



75.6965, 67.4700, 93.9636



17.3168, 17.1760, 21.7879



16.4893, 7.4432, 48.5412

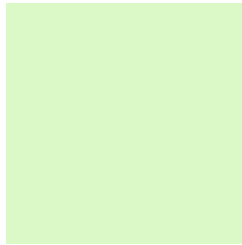


1.6451, 0.7501, 4.5013



# Previews

## White Background



This preview shows how the XYZ color 73.0979, 86.7803, 66.9304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

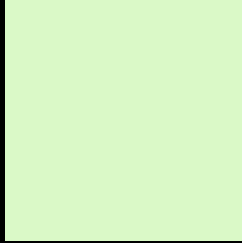
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0979, 86.7803, 66.9304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

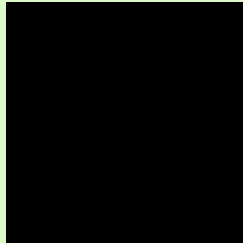
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

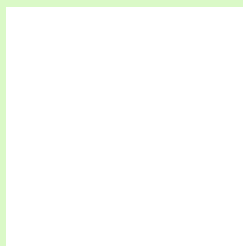
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.0979, 86.7803, 66.9304**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.0979, 86.7803, 66.9304.



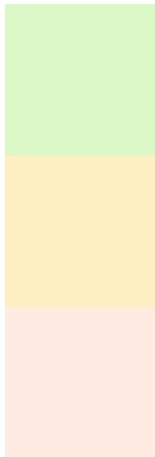
This preview shows how white text looks on a background with the XYZ color 73.0979, 86.7803,



# 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

73.0979, 86.7803, 66.9304

### Protanopia

81.1121, 86.5107, 63.4621

### Deuteranopia

84.5389, 86.1129, 83.3999



## Tritanopia

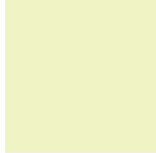
81.8432, 86.3632, 106.9639

# Trichromacy



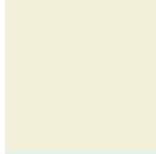
## Original Color

73.0979, 86.7803, 66.9304



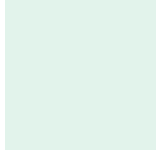
## Protanomaly

77.9496, 86.6120, 64.8340



## Deuteranomaly

80.1727, 86.1553, 77.3698



## Tritanomaly

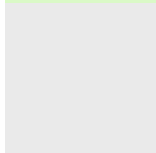
78.4100, 86.2681, 91.1160

# Monochromacy



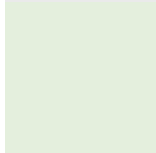
## Original Color

73.0979, 86.7803, 66.9304



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.9126, 83.4474, 80.5126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0979, 86.7803, 66.9304 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, 249, 199)` looks like.

```
.text, #text, p{  
    color:rgb(218, 249, 199)  
}
```

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, 249, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 249, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0979, 86.7803, 66.9304 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, 249, 199) }
```



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

```
.border{ border-color:rgb(218, 249, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 249, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 249, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 249, 199); box-shadow:4px 4px 4px 4px rgb(218, 249, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0979, 86.7803, 66.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 249, 199) }
```

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

```
.background{ background-color: rgb(218,  
249, 199) }
```

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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