

# Converting Colors

XYZ(72.9072, 89.0692, 85.9863)

Have a look what the booklet for  
XYZ(72.9072, 89.0692, 85.9863)  
contains.

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# Color

**XYZ(72.9138, 89.0718,  
86.0227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFE3
RGB	198, 255, 227
RGB Percent	78%, 100%, 89%
CMY	0.2235, 0.0000, 0.1098
CMYK	0.22, 0.00, 0.11, 0.00
HSL	151°, 100%, 89%
HSV	151°, 22%, 100%
XYZ	72.9138, 89.0718, 86.0227
YIQ	234.7650, -24.9840, -20.7920

# Conversions

## Conversions Part 2

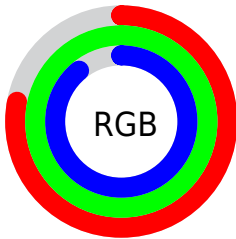
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 236, 255
Decimal	13041635
CIELab	95.61, -23.37, 7.54
CIELCh	96, 24.553, 162.112
Yxy	89.0718, 0.2940, 0.3591
Android (android.graphics.Color)	4291231715 (0xFFC6FFE3)
YUV	234.7650, -3.8281, -32.2429
Hunter-Lab	94.3779, -27.2569, 12.0234

# Details

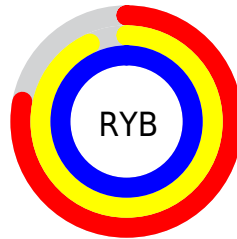
The XYZ color **72.9138, 89.0718, 86.0227** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.1620, 67.1400, 80.9493**, and the grayscale version is **78.8284, 82.9336, 90.3147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9682, 49.2064, 46.4737** is the 20% darker color. If you saturate the color by 10%, you get **65.0822, 85.2270, 76.9579**, and if you desaturate by 10%, it is **82.0044, 93.5511, 95.8059**.

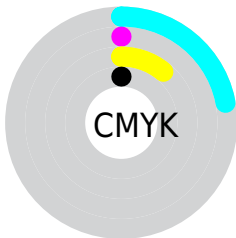
# Distribution



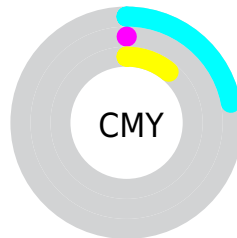
- Red (78%)
- Green (100%)
- Blue (89%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9138, 89.0718, 86.0227 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 72.9138, 89.0718, 86.0227 by changing the saturation by 10% instead.



72.9138, 89.0718,  
86.0227

72.9138, 89.0718,  
86.0227

459.8244,  
525.0068, 535.2386

54.1936, 67.2111,  
64.1317

122.3586,  
146.0484, 143.6880

38.9878, 49.2562,  
46.3105

153.8140,  
181.9331, 180.2994

26.9309, 34.8227,  
32.1405

190.2451,  
223.2612, 222.6547

17.6576, 23.5264,  
21.2031

232.0173,  
270.4171, 271.1725

10.8027, 14.9826,  
13.0799

279.4960,  
323.7852, 326.2712

6.0006, 8.8072,  
7.3522

333.0465,

2.8861, 4.6156,

383.7499, 388.3694

3.6016

393.0342,  
450.6957, 457.8857

■ 1.0938, 2.0236,  
1.4094

■ 0.0199, 0.6211,  
0.1490

■ 72.9138, 89.0718,  
86.0227

■ 72.9138, 89.0718,  
86.0227

■ 65.0822, 85.2270,  
76.9579

■ 82.0044, 93.5511,  
95.8059

■ 58.4478, 81.9851,  
68.5905

■ 92.4068, 98.6918,  
106.3191

■ 52.9472, 79.3139,  
60.9046

■ 95.0500, 100.0000,  
108.9000

■ 48.5098, 77.1772,  
53.8820

■ 45.0567, 75.5347,  
47.5036

■ 42.4972, 74.3399,  
41.7493

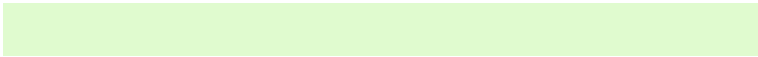
■ 40.7222, 73.5370,  
36.5971

■ 39.7719, 73.1248,  
33.0466

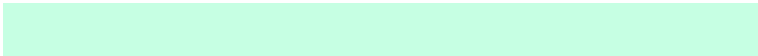
# Harmonies

## Analogous

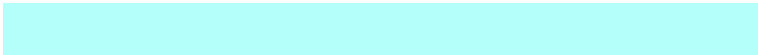
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2618, 89.0718, 71.9694



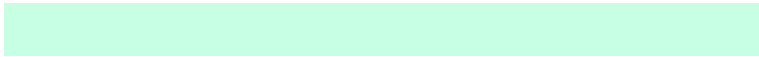
72.9138, 89.0718, 86.0227



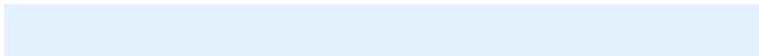
72.6082, 89.0718, 104.9840

# Triad

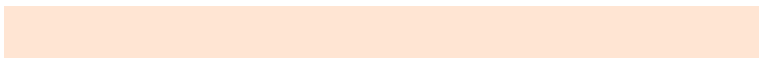
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9138, 89.0718, 86.0227



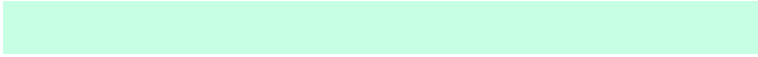
87.4092, 89.0718, 137.9970



94.6446, 89.0718, 74.1590

# Complementary

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



72.9138, 89.0718, 86.0227



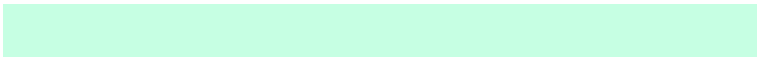
75.1620, 67.1400, 80.9493

# 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.



97.9767, 89.0718, 89.4012



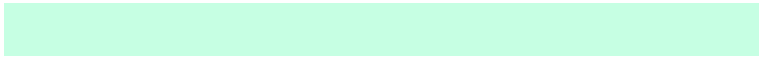
72.9138, 89.0718, 86.0227



93.6533, 89.0718, 127.2119

# Square

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



72.9138, 89.0718, 86.0227



80.7408, 89.0718, 136.7760



97.6046, 89.0718, 108.8391

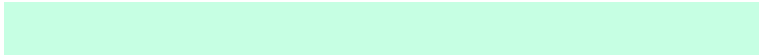


88.7042, 89.0718, 65.7716



# Rectangle

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



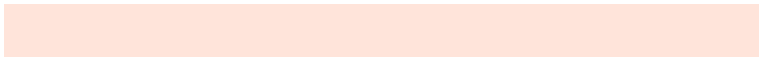
72.9138, 89.0718, 86.0227



74.1487, 89.0718, 118.0867



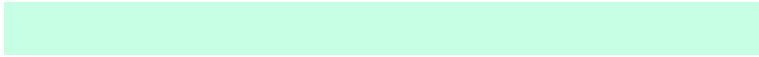
97.6046, 89.0718, 108.8391



96.1207, 89.0718, 78.5583

# Sweetspot

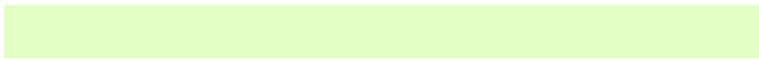
The Sweet Spot groups the original color and five complimentary colors.



72.9146, 89.0722, 86.0241



87.4053, 96.2184, 101.3408



77.4746, 91.8472, 67.0722



18.5739, 20.5283, 21.5552



0.0000, 0.0000, 0.0000

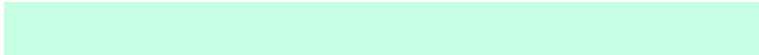


20.3446, 21.4041, 23.3091

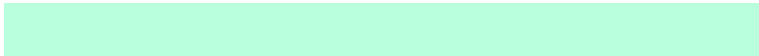


# Same Dimension

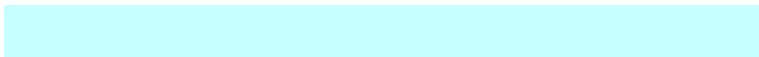
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9146, 89.0722, 86.0241



69.1213, 87.2080, 81.7223



77.0992, 90.7460, 108.0599



18.1573, 20.3224, 21.1311



20.8573, 38.2395, 17.6659



2.0860, 3.7453, 2.0107



# Inverse Universe

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



75.1620, 67.1400, 80.9493



71.7448, 61.6068, 75.7991



71.6278, 65.7263, 62.3385



18.3813, 18.1358, 20.6251



23.5666, 11.9160, 11.6344

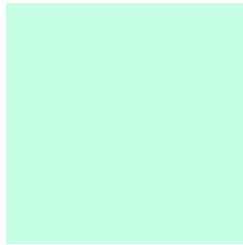


2.3496, 1.1822, 1.4225



# Previews

## White Background



This preview shows how the XYZ color 72.9138, 89.0718, 86.0227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

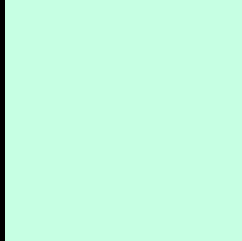
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9138, 89.0718, 86.0227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

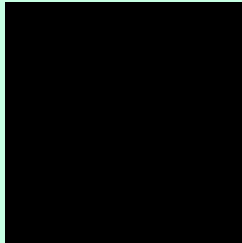
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

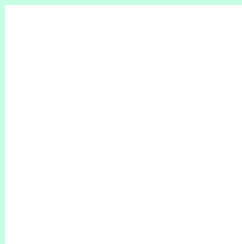
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.9138, 89.0718, 86.0227**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9138, 89.0718, 86.0227.



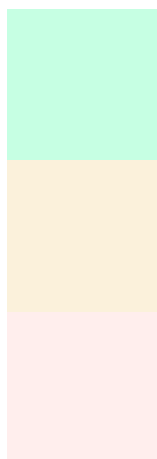
This preview shows how white text looks on a background with the XYZ color 72.9138, 89.0718,



# 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

72.9138, 89.0718, 86.0227

### Protanopia

84.0251, 88.5343, 79.6781

### Deuteranopia

87.1006, 88.5235, 92.6168



## Tritanopia

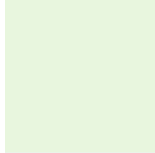
82.0664, 88.6936, 107.4019

# Trichromacy



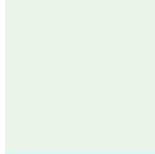
## Original Color

72.9138, 89.0718, 86.0227



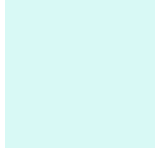
## Protanomaly

79.4193, 88.3413, 81.9730



## Deuteranomaly

80.9903, 88.0770, 89.8227



## Tritanomaly

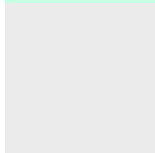
78.6760, 88.9429, 99.4072

# Monochromacy



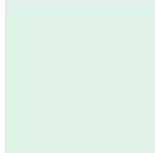
## Original Color

72.9138, 89.0718, 86.0227



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.4418, 84.8601, 88.6946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9138, 89.0718, 86.0227 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(198, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 227)  
}
```

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(198, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9138, 89.0718, 86.0227 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".

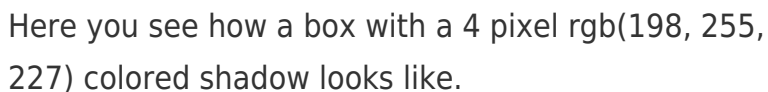
```
.border, #border, table{ border:4px solid rgb(198, 255, 227) }
```



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

```
.border{ border-color:rgb(198, 255, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9138, 89.0718, 86.0227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 227) }
```

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

```
.background{ background-color: rgb(198,  
255, 227) }
```

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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