

# Converting Colors

XYZ(73.6934, 89.4027, 89.2652)

Have a look what the booklet for  
XYZ(73.6934, 89.4027, 89.2652)  
contains.

<b>XYZ(73.7370, 89.4316, 88.9770)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.7370, 89.4316,  
88.9770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFE7
RGB	199, 255, 231
RGB Percent	78%, 100%, 91%
CMY	0.2196, 0.0000, 0.0941
CMYK	0.22, 0.00, 0.09, 0.00
HSL	154°, 100%, 89%
HSV	154°, 22%, 100%
XYZ	73.7370, 89.4316, 88.9770
YIQ	235.5200, -25.6720, -19.3360

# Conversions

## Conversions Part 2

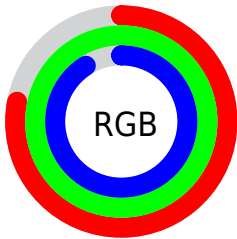
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 235, 255
Decimal	13107175
CIELab	95.76, -22.30, 5.71
CIELCh	96, 23.015, 165.642
Yxy	89.4316, 0.2924, 0.3547
Android (android.graphics.Color)	4291297255 (0xFFC7FFE7)
YUV	235.5200, -2.2284, -32.0280
Hunter-Lab	94.5683, -26.3141, 10.4133

# Details

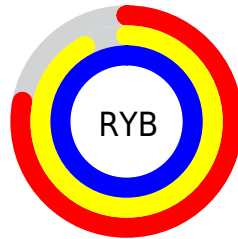
The XYZ color **73.7370, 89.4316, 88.9770** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9833, 67.4356, 78.8766**, and the grayscale version is **79.3922, 83.5268, 90.9607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4335, 49.4126, 48.0167** is the 20% darker color. If you saturate the color by 10%, you get **66.0329, 85.6328, 80.8099**, and if you desaturate by 10%, it is **82.6729, 93.8543, 97.7077**.

# Distribution



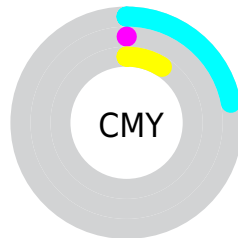
- Red (78%)
- Green (100%)
- Blue (91%)



- Red (78%)
- Yellow (92%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7370, 89.4316, 88.9770 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 73.7370, 89.4316, 88.9770 by changing the saturation by 10% instead.




 73.7370, 89.4316,  
88.9770

 73.7370, 89.4316,  
88.9770


462.6295,  
526.1801, 545.1814

 54.8693, 67.5093,  
66.5636


123.5204,  
146.5486, 147.8397

 39.5305, 49.4986,  
48.2707


155.1669,  
182.5121, 185.1260

 27.3553, 35.0152,  
33.6798


191.8036,  
223.9248, 228.2070

 17.9782, 23.6746,  
22.3723

233.7961,  
271.1711, 277.5012

 11.0339, 15.0924,  
13.9298

281.5095,  
324.6354, 333.4272

 6.1571, 8.8843,  
7.9337

335.3093,

 2.9824, 4.6658,

384.7021, 396.4036

3.9654

395.5609,  
451.7555, 466.8488

■ 1.1445, 2.0525,  
1.6064

■ 0.0618, 0.6377,  
0.2954

■ 73.7370, 89.4316,  
88.9770

■ 73.7370, 89.4316,  
88.9770

■ 66.0329, 85.6328,  
80.8099

■ 82.6729, 93.8543,  
97.7077

■ 59.4998, 82.4268,  
73.1902

■ 92.8922, 98.9272,  
107.0090

■ 54.0755, 79.7816,  
66.1071

■ 95.0500, 100.0000,  
108.9000

■ 49.6907, 77.6618,  
59.5476

■ 46.2678, 76.0276,  
53.4982

■ 43.7179, 74.8333,  
47.9445

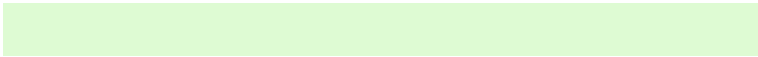
■ 41.9337, 74.0240,  
42.8708

■ 40.9264, 73.5866,  
39.1261

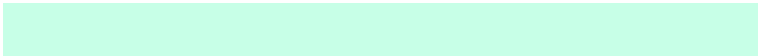
# Harmonies

## Analogous

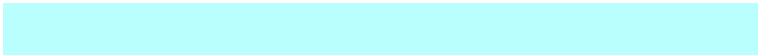
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5852, 89.4316, 74.9616



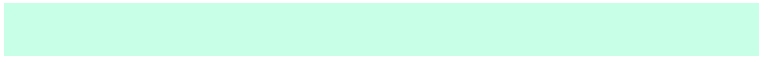
73.7370, 89.4316, 88.9770



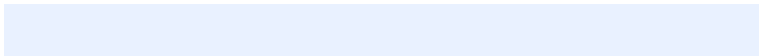
73.8013, 89.4316, 107.0901

# Triad

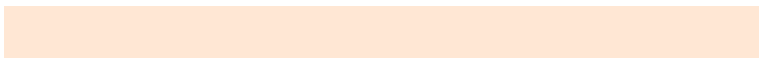
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7370, 89.4316, 88.9770



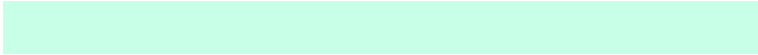
88.3296, 89.4316, 134.9889



93.8077, 89.4316, 74.4980

# Complementary

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



73.7370, 89.4316, 88.9770



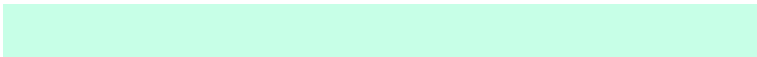
74.9833, 67.4356, 78.8766

# 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.



97.2823, 89.4316, 88.2675



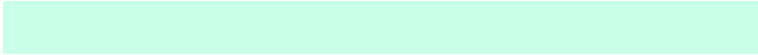
73.7370, 89.4316, 88.9770



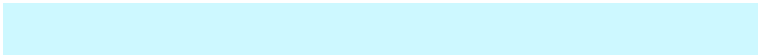
94.0140, 89.4316, 123.8643

# Square

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



73.7370, 89.4316, 88.9770



82.0165, 89.4316, 135.2407



97.3597, 89.4316, 106.2872

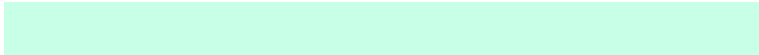


88.0592, 89.4316, 67.3336



# Rectangle

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



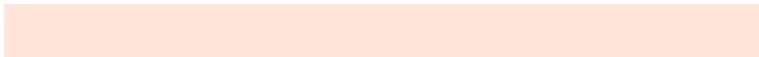
73.7370, 89.4316, 88.9770



75.4803, 89.4316, 119.1564



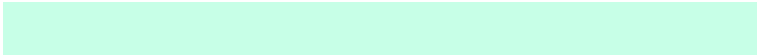
97.3597, 89.4316, 106.2872



95.2926, 89.4316, 78.4256

# Sweetspot

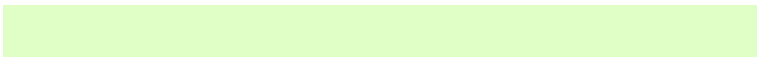
The Sweet Spot groups the original color and five complimentary colors.



73.7379, 89.4321, 88.9785



87.5778, 96.2874, 102.2489



76.5831, 91.3742, 67.6348



18.6138, 20.5442, 21.7656



0.0000, 0.0000, 0.0000

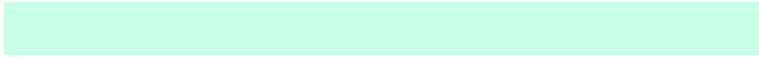


20.3446, 21.4041, 23.3091

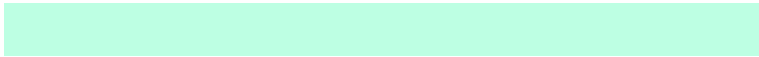


# Same Dimension

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



73.7379, 89.4321, 88.9785



70.4801, 87.8238, 85.6114



76.1844, 88.5236, 107.6792



18.2066, 20.3422, 21.3909



21.4613, 38.4811, 20.8462



2.1444, 3.7687, 2.3181



# Inverse Universe

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



74.9833, 67.4356, 78.8766



71.9122, 62.5419, 74.0044



72.8426, 67.9706, 63.3146



18.3325, 18.1163, 20.3681



23.0703, 11.7174, 9.0206

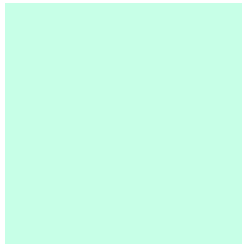


2.2997, 1.1622, 1.1596



# Previews

## White Background



This preview shows how the XYZ color 73.7370, 89.4316, 88.9770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

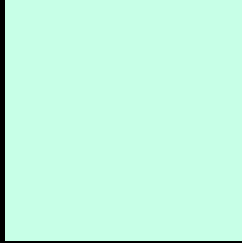
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7370, 89.4316, 88.9770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

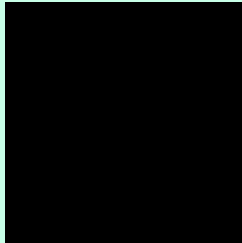
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

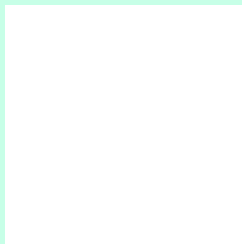
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.7370, 89.4316, 88.9770**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7370, 89.4316, 88.9770.



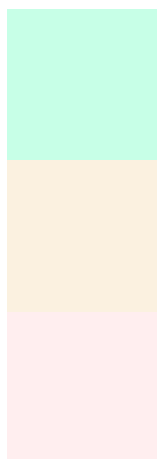
This preview shows how white text looks on a background with the XYZ color 73.7370, 89.4316,

88.9770.

# 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

73.7370, 89.4316, 88.9770

### Protanopia

84.6935, 88.8016, 83.1976

### Deuteranopia

87.3945, 88.6411, 94.1646



## Tritanopia

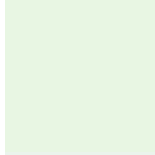
82.6843, 89.4624, 107.5178

# Trichromacy



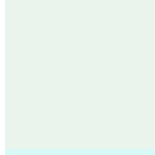
## Original Color

73.7370, 89.4316, 88.9770



## Protanomaly

80.0996, 88.6134, 85.5554



## Deuteranomaly

81.7520, 88.4197, 92.1148



## Tritanomaly

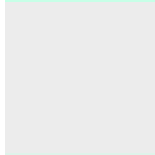
79.1255, 89.1569, 100.2274

# Monochromacy



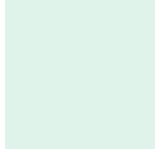
## Original Color

73.7370, 89.4316, 88.9770



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.3333, 85.7297, 90.3135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7370, 89.4316, 88.9770 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(199, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 231)  
}
```

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(199, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7370, 89.4316, 88.9770 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(199, 255, 231) }
```



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

```
.border{ border-color:rgb(199, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7370, 89.4316, 88.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 231) }
```

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

```
.background{ background-color: rgb(199,  
255, 231) }
```

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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