

# Converting Colors

XYZ(73.2259, 89.3830, 79.2466)

Have a look what the booklet for  
XYZ(73.2259, 89.3830, 79.2466)  
contains.

<b>XYZ(73.1862, 89.3671, 79.0379)</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(73.1862, 89.3671,  
79.0379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD9
RGB	204, 255, 217
RGB Percent	80%, 100%, 85%
CMY	0.2000, 0.0000, 0.1490
CMYK	0.20, 0.00, 0.15, 0.00
HSL	135°, 100%, 90%
HSV	135°, 20%, 100%
XYZ	73.1862, 89.3671, 79.0379
YIQ	235.4190, -18.1980, -22.6300

# Conversions

## Conversions Part 2

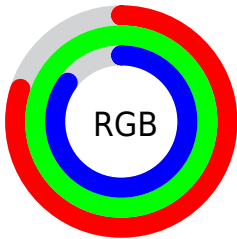
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 245, 255
Decimal	13434841
CIE <sub>Lab</sub>	95.73, -23.33, 12.90
CIE <sub>LCh</sub>	96, 26.657, 151.058
Yxy	89.3671, 0.3029, 0.3699
Android (android.graphics.Color)	4291624921 (0xFFCCFFD9)
YUV	235.4190, -9.0806, -27.5545
Hunter-Lab	94.5342, -27.2442, 16.6029

# Details

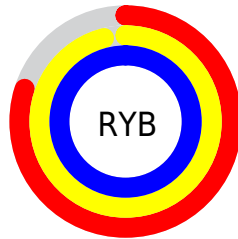
The XYZ color **73.1862, 89.3671, 79.0379** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.8602, 70.8573, 93.5245**, and the grayscale version is **79.3615, 83.4945, 90.9255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1101, 49.3864, 41.6536** is the 20% darker color. If you saturate the color by 10%, you get **64.4287, 85.1218, 66.4620**, and if you desaturate by 10%, it is **83.3740, 94.3169, 93.1688**.

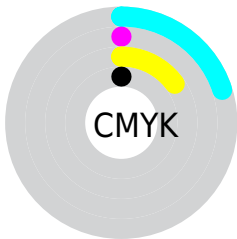
# Distribution



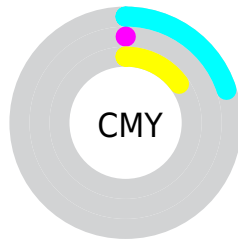
- Red (80%)
- Green (100%)
- Blue (85%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1862, 89.3671, 79.0379 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 73.1862, 89.3671, 79.0379 by changing the saturation by 10% instead.




 73.1862, 89.3671,  
79.0379

 73.1862, 89.3671,  
79.0379

460.7537,  
525.9699, 511.3056

 54.4171, 67.4558,  
58.4055


122.7432,  
146.4590, 133.8114

 39.1673, 49.4552,  
41.7179


154.2619,  
182.4083, 168.7895

 27.0712, 34.9807,  
28.5565


190.7612,  
223.8059, 209.3866

 17.7636, 23.6480,  
18.5029

232.6064,  
271.0360, 256.0212

 10.8790, 15.0727,  
11.1385

280.1629,  
324.4831, 309.1118

 6.0522, 8.8704,  
6.0447

333.7960,

 2.9178, 4.6568,

384.5315, 369.0771

2.8031

393.8712,  
451.5656, 436.3355

■ 1.1105, 2.0473,  
0.9950

■ 0.0338, 0.6347,  
0.0000

■ 73.1862, 89.3671,  
79.0379

■ 73.1862, 89.3671,  
79.0379

■ 64.4287, 85.1218,  
66.4620

■ 83.3740, 94.3169,  
93.1688

■ 57.0341, 81.5472,  
55.3835

95.0500, 100.0000,  
108.9000

■ 50.9327, 78.6088,  
45.7478

■ 46.0477, 76.2681,  
37.4950

■ 42.2936, 74.4824,  
30.5611

■ 39.5737, 73.2032,  
24.8771

■ 37.7738, 72.3733,  
20.3671

■ 36.7143, 71.9017,  
16.9452

■ 36.7143, 71.9017,  
16.9450

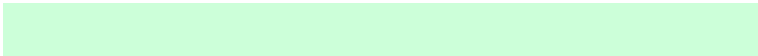
# Harmonies

## Analogous

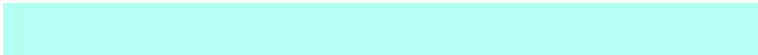
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8701, 89.3671, 66.6423



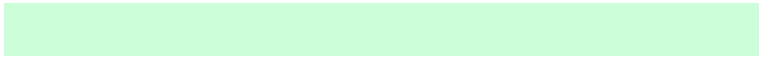
73.1862, 89.3671, 79.0379



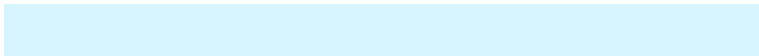
71.6049, 89.3671, 98.0533

# Triad

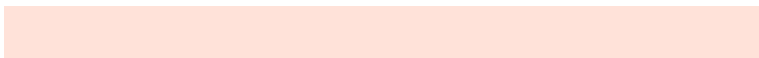
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1862, 89.3671, 79.0379



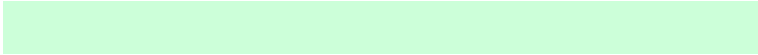
85.2014, 89.3671, 143.5373



97.6050, 89.3671, 77.9187

# Complementary

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



73.1862, 89.3671, 79.0379



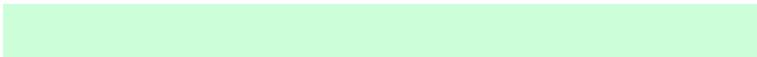
78.8602, 70.8573, 93.5245

# 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.



99.8374, 89.3671, 96.5617



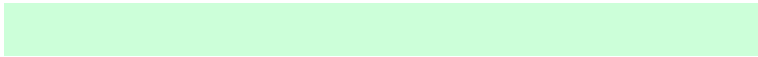
73.1862, 89.3671, 79.0379



92.4269, 89.3671, 136.1722

# Square

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



73.1862, 89.3671, 79.0379



78.2965, 89.3671, 137.1075



97.8910, 89.3671, 118.1911

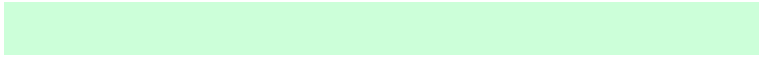


91.9506, 89.3671, 66.0646



# Rectangle

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



73.1862, 89.3671, 79.0379



72.4466, 89.3671, 112.5530



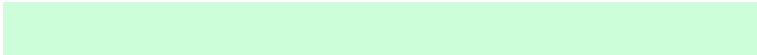
97.8910, 89.3671, 118.1911



98.7946, 89.3671, 83.5014

# Sweetspot

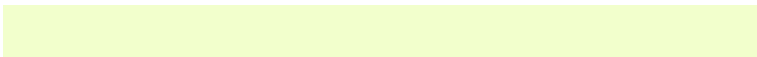
The Sweet Spot groups the original color and five complimentary colors.



73.1869, 89.3675, 79.0393



87.8619, 96.5002, 99.2656



83.3632, 94.8013, 71.0325



18.6457, 20.5770, 21.0300



0.0000, 0.0000, 0.0000

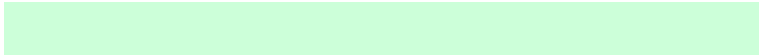


20.3446, 21.4041, 23.3091

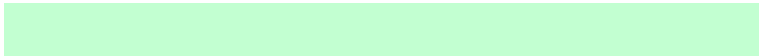


# Same Dimension

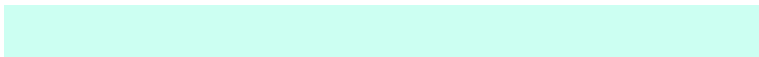
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1869, 89.3675, 79.0393



69.5152, 87.5862, 73.8242



76.7269, 90.7835, 97.6807



17.9615, 20.2441, 20.1004



19.2346, 37.5904, 9.1204



1.9147, 3.6768, 1.1089



# Inverse Universe

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



78.8602, 70.8573, 93.5245



76.1263, 66.0102, 90.6997



75.3253, 69.4433, 74.9099



18.5832, 18.2166, 21.6884



26.4687, 13.0768, 26.9162

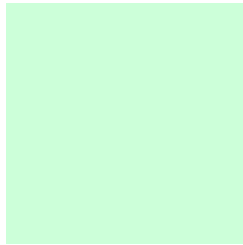


2.6213, 1.2909, 2.8534



# Previews

## White Background



This preview shows how the XYZ color 73.1862, 89.3671, 79.0379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

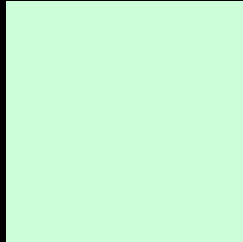
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1862, 89.3671, 79.0379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

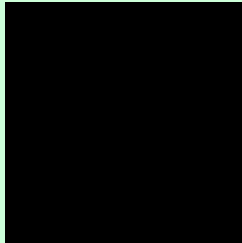
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

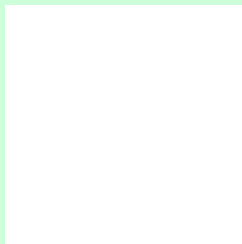
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.1862, 89.3671, 79.0379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1862, 89.3671, 79.0379.



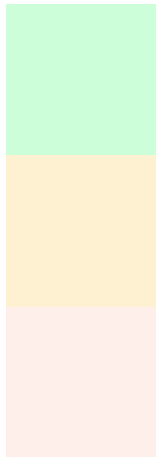
This preview shows how white text looks on a background with the XYZ color 73.1862, 89.3671,

79.0379.

# 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

73.1862, 89.3671, 79.0379

### Protanopia

83.9612, 88.6346, 73.6557

### Deuteranopia

86.9578, 88.9335, 90.4246



## Tritanopia

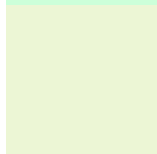
82.6973, 89.0188, 107.4315

# Trichromacy



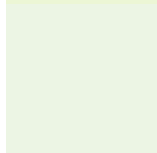
## Original Color

73.1862, 89.3671, 79.0379



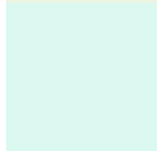
## Protanomaly

79.5581, 88.5485, 75.8492



## Deuteranomaly

81.2481, 88.7391, 86.2449



## Tritanomaly

78.9663, 89.1623, 96.2672

# Monochromacy



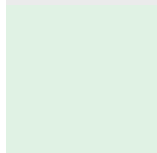
## Original Color

73.1862, 89.3671, 79.0379



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.4962, 84.9530, 85.7646

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1862, 89.3671, 79.0379 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(204, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 217)  
}
```

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(204, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1862, 89.3671, 79.0379 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(204, 255, 217) }
```



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

```
.border{ border-color:rgb(204, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1862, 89.3671, 79.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 217) }
```

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

```
.background{ background-color: rgb(204,  
255, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor