

# Converting Colors

XYZ(73.6129, 89.7020, 73.8660)

Have a look what the booklet for  
XYZ(73.6129, 89.7020, 73.8660)  
contains.

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# Color

**XYZ(73.5631, 89.6788,  
73.7541)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1FFD1
RGB	209, 255, 209
RGB Percent	82%, 100%, 82%
CMY	0.1804, 0.0000, 0.1804
CMYK	0.18, 0.00, 0.18, 0.00
HSL	120°, 100%, 91%
HSV	120°, 18%, 100%
XYZ	73.5631, 89.6788, 73.7541
YIQ	236.0020, -12.6500, -24.0580

# Conversions

## Conversions Part 2

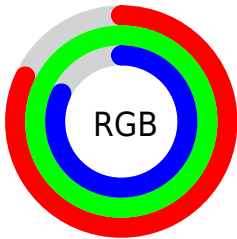
Format	Color
<a href="#">RYB</a>	<a href="#">209, 255, 255</a>
Decimal	<a href="#">13762513</a>
CIELab	<a href="#">95.86, -23.10, 17.22</a>
CIElCh	<a href="#">96, 28.814, 143.296</a>
Yxy	<a href="#">89.6788, 0.3104, 0.3784</a>
Android (android.graphics.Color)	<a href="#">4291952593 (0xFFD1FFD1)</a>
YUV	<a href="#">236.0020, -13.3120, -23.6808</a>
Hunter-Lab	<a href="#">94.6989, -27.0624, 20.1125</a>

# Details

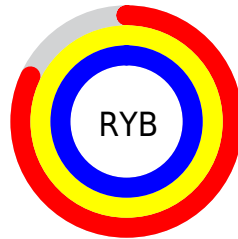
The XYZ color **73.5631, 89.6788, 73.7541** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.0906, 74.0815, 104.5796**, and the grayscale version is **79.8355, 83.9931, 91.4685**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3532, 49.5913, 38.0698** is the 20% darker color. If you saturate the color by 10%, you get **64.0075, 85.0887, 58.1246**, and if you desaturate by 10%, it is **84.7800, 95.0668, 92.1016**.

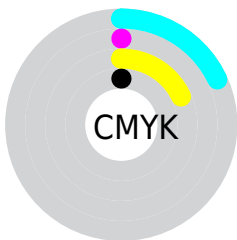
# Distribution



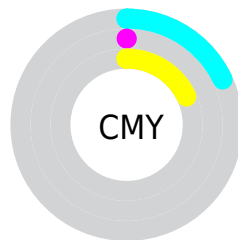
- Red (82%)
- Green (100%)
- Blue (82%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5631, 89.6788, 73.7541 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 73.5631, 89.6788, 73.7541 by changing the saturation by 10% instead.




 73.5631, 89.6788,  
73.7541

 73.5631, 89.6788,  
73.7541


462.0377,  
526.9854, 492.7649

 54.7265, 67.7143,  
54.0972


123.2751,  
146.8922, 126.2780

 39.4158, 49.6653,  
38.2857


154.8813,  
182.9098, 159.9821

 27.2655, 35.1475,  
25.9010


191.4747,  
224.3805, 199.2057

 17.9104, 23.7766,  
16.5245

233.4207,  
271.6888, 244.3673

 10.9849, 15.1679,  
9.7377

281.0846,  
325.2191, 295.8855

 6.1239, 8.9373,  
5.1220

334.8319,

 2.9620, 4.7003,

385.3557, 354.1788

2.2591

395.0278,  
452.4830, 419.6658

■ 1.1337, 2.0725,  
0.7081

■ 0.0530, 0.6491,  
0.0000

■ 73.5631, 89.6788,  
73.7541

■ 73.5631, 89.6788,  
73.7541

■ 64.0075, 85.0887,  
58.1246

■ 84.7800, 95.0668,  
92.1016

■ 56.0326, 81.2579,  
45.0802

95.0500, 100.0000,  
108.9000

■ 49.5537, 78.1458,  
34.4827

■ 44.4776, 75.7075,  
26.1798

■ 40.7006, 73.8932,  
20.0018

■ 38.1049, 72.6464,  
15.7558

■ 36.5510, 71.9000,  
13.2140

■ 35.8500, 71.5632,  
12.0673

■ 35.7600, 71.5200,  
11.9201

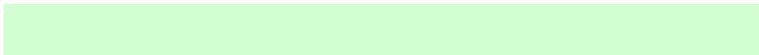
# Harmonies

## Analogous

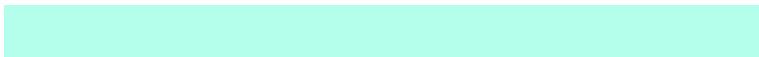
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3352, 89.6788, 62.7121



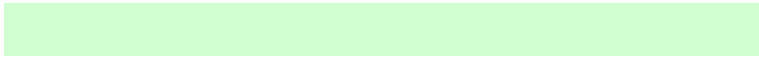
73.5631, 89.6788, 73.7541



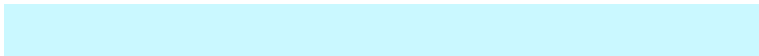
70.9432, 89.6788, 92.6247

# Triad

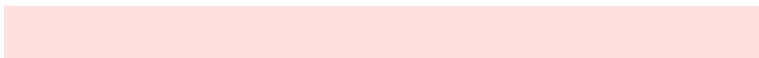
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.5631, 89.6788, 73.7541



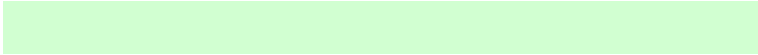
83.4655, 89.6788, 147.8783



100.0569, 89.6788, 81.3393

# Complementary

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



73.5631, 89.6788, 73.7541



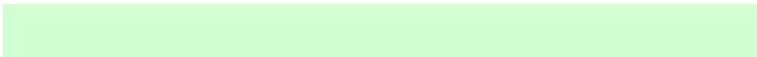
82.0906, 74.0815, 104.5796

# 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.



101.3324, 89.6788, 102.8435



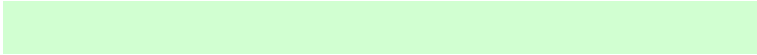
73.5631, 89.6788, 73.7541



91.4245, 89.6788, 143.6093

# Square

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



73.5631, 89.6788, 73.7541



76.4261, 89.6788, 137.1030



98.0849, 89.6788, 126.2071

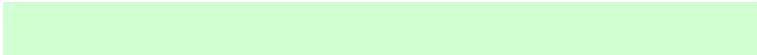


94.7004, 89.6788, 66.5925



# Rectangle

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



73.5631, 89.6788, 73.7541



71.2135, 89.6788, 108.0599



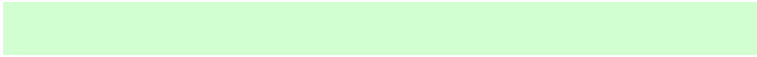
98.0849, 89.6788, 126.2071



100.9903, 89.6788, 87.9217

# Sweetspot

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



73.5637, 89.6790, 73.7555



88.5285, 96.8674, 98.2329



88.5088, 97.3835, 74.4544



18.7601, 20.6430, 20.7174



0.0000, 0.0000, 0.0000

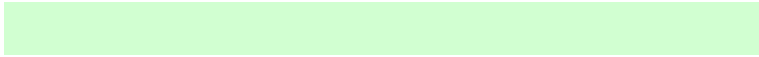


20.3446, 21.4041, 23.3091

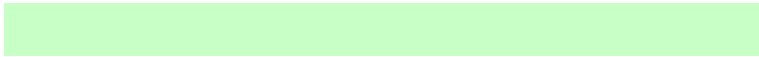


# Same Dimension

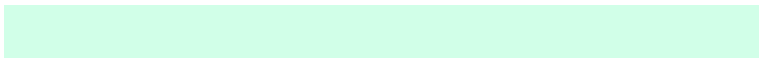
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.5637, 89.6790, 73.7555



69.5840, 87.7674, 67.2459



76.6204, 90.9017, 89.8519



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065



# Inverse Universe

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



82.0906, 74.0815, 104.5796



79.6903, 69.2808, 103.7793



78.6063, 72.6878, 86.2315



18.7927, 18.3004, 22.7917



30.9799, 14.8813, 50.6723

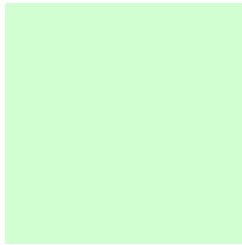


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 73.5631, 89.6788, 73.7541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

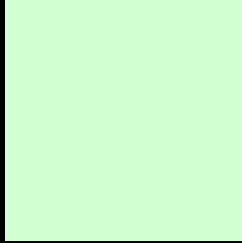
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5631, 89.6788, 73.7541 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

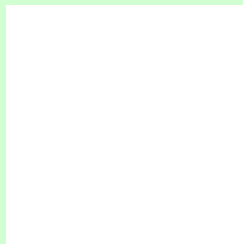
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.5631, 89.6788, 73.7541**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.5631, 89.6788, 73.7541.



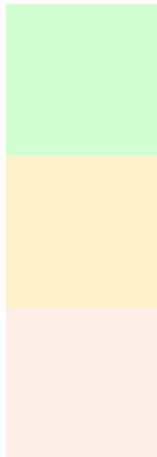
This preview shows how white text looks on a background with the XYZ color 73.5631, 89.6788,

73.7541.

# 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

73.5631, 89.6788, 73.7541

### Protanopia

84.0116, 89.1720, 70.5416

### Deuteranopia

86.8145, 88.8762, 89.6700



## **Tritanopia**

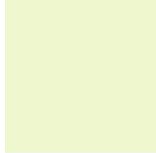
83.6574, 89.5137, 107.4764

# Trichromacy



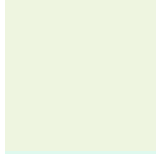
## Original Color

73.5631, 89.6788, 73.7541



## Protanomaly

79.6612, 89.1549, 71.4025



## Deuteranomaly

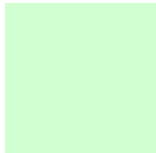
81.3668, 88.8638, 83.3849



## Tritanomaly

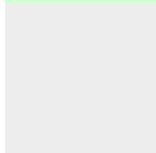
79.7397, 89.6124, 93.9831

# Monochromacy



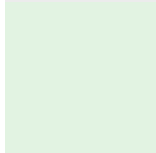
## Original Color

73.5631, 89.6788, 73.7541



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.1421, 85.7609, 84.4392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5631, 89.6788, 73.7541 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(209, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 209)  
}
```

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(209, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5631, 89.6788, 73.7541 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(209, 255, 209) }
```



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

```
.border{ border-color:rgb(209, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5631, 89.6788, 73.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 209) }
```

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

```
.background{ background-color: rgb(209,  
255, 209) }
```

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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