

# Converting Colors

XYZ(71.5738, 89.0186, 57.1529)

Have a look what the booklet for  
XYZ(71.5738, 89.0186, 57.1529)  
contains.

<b>XYZ(71.5411, 89.0023, 57.1246)</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(71.5411, 89.0023,  
57.1246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFB5
RGB	213, 255, 181
RGB Percent	84%, 100%, 71%
CMY	0.1647, 0.0000, 0.2902
CMYK	0.16, 0.00, 0.29, 0.00
HSL	94°, 100%, 85%
HSV	94°, 29%, 100%
XYZ	71.5411, 89.0023, 57.1246
YIQ	234.0060, -1.2780, -31.9180

# Conversions

## Conversions Part 2

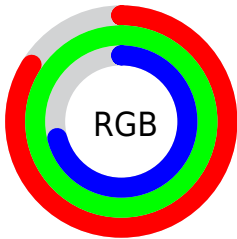
Format	Color
<a href="#">RYB</a>	<a href="#">181, 255, 223</a>
Decimal	<a href="#">14024629</a>
CIELab	<a href="#">95.58, -26.13, 31.08</a>
CIElCh	<a href="#">96, 40.602, 130.060</a>
Yxy	<a href="#">89.0023, 0.3287, 0.4089</a>
Android (android.graphics.Color)	<a href="#">4292214709</a> ( <a href="#">0xFFD5FFB5</a> )
YUV	<a href="#">234.0060, -26.1320, -18.4223</a>
Hunter-Lab	<a href="#">94.3410, -29.7359, 30.1379</a>

# Details

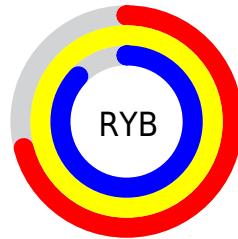
The XYZ color **71.5411, 89.0023, 57.1246** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.0062, 55.9569, 101.9823**, and the grayscale version is **78.4031, 82.4862, 89.8274**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **37.9950, 49.1148, 27.8996** is the 20% darker color. If you saturate the color by 10%, you get **65.1468, 85.9811, 44.3944**, and if you desaturate by 10%, it is **78.7900, 92.4088, 72.3970**.

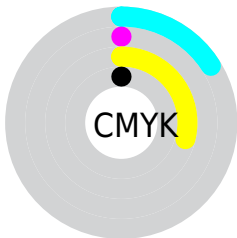
# Distribution



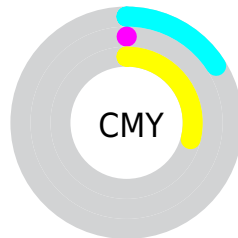
- Red (84%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5411, 89.0023, 57.1246 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 71.5411, 89.0023, 57.1246 by changing the saturation by 10% instead.





 71.5411, 89.0023,  
57.1246

 71.5411, 89.0023,  
57.1246


455.1252,  
524.7800, 431.4228

 53.0680, 67.1535,  
40.6953


 120.4182,  
145.9518, 102.1491

 38.0848, 49.2093,  
27.7631


151.5529,  
181.8212, 131.5814

 26.2260, 34.7856,  
17.9097


187.6389,  
223.1329, 166.1850

 17.1264, 23.4977,  
10.7164

229.0415,  
270.2713, 206.3786

 10.4205, 14.9615,  
5.7647

276.1261,  
323.6209, 252.5806

 5.7430, 8.7923,  
2.6361

329.2580,

 2.7286, 4.6060,

383.5659, 305.2096

0.9110

388.8026,  
450.4908, 364.6842

■ 1.0119, 2.0180,  
0.0000

■ 0.0000, 0.6179,  
0.0000

■ 71.5411, 89.0023,  
57.1246

■ 71.5411, 89.0023,  
57.1246

■ 65.1468, 85.9811,  
44.3944

■ 78.7900, 92.4088,  
72.3970

■ 59.5697, 83.3289,  
34.0644

■ 86.9257, 96.2142,  
90.3355

■ 54.7716, 81.0292,  
25.9843

95.0500, 100.0000,  
108.9000

■ 50.7098, 79.0639,  
19.9858

■ 47.3368, 77.4125,  
15.8763

■ 44.5978, 76.0518,  
13.4277

■ 42.4163, 74.9499,  
12.3031

■ 42.2239, 74.8523,  
12.2225

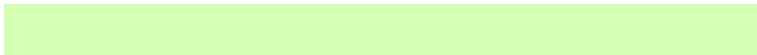
# Harmonies

## Analogous

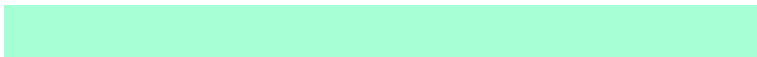
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9064, 89.0023, 48.1791



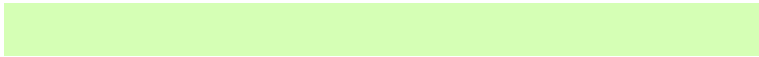
71.5411, 89.0023, 57.1246



66.0101, 89.0023, 77.4535

# Triad

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



71.5411, 89.0023, 57.1246



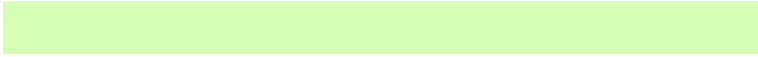
77.4960, 89.0023, 166.7877



107.4909, 89.0023, 86.5805

# Complementary

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



71.5411, 89.0023, 57.1246



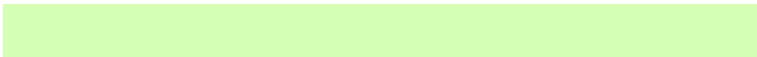
65.0062, 55.9569, 101.9823

# Split Complementary

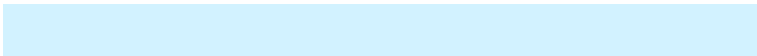
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.3745, 89.0023, 119.3753



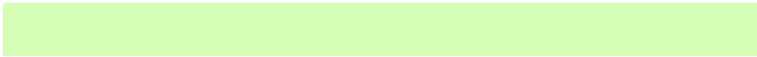
71.5411, 89.0023, 57.1246



88.3920, 89.0023, 170.7463

# Square

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



71.5411, 89.0023, 57.1246



69.2333, 89.0023, 142.0043



99.1452, 89.0023, 151.8634

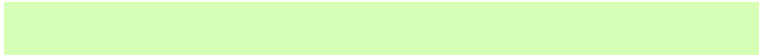


102.0737, 89.0023, 62.5401

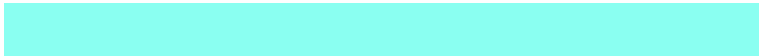


# Rectangle

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



71.5411, 89.0023, 57.1246



64.9275, 89.0023, 96.9730



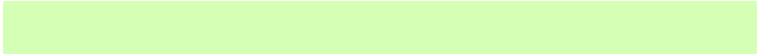
99.1452, 89.0023, 151.8634



107.8778, 89.0023, 96.8438

# Sweetspot

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



71.5416, 89.0026, 57.1259



86.9417, 96.2217, 90.3715



75.9509, 77.3366, 54.6418



18.3436, 20.4714, 18.7479



0.0000, 0.0000, 0.0000

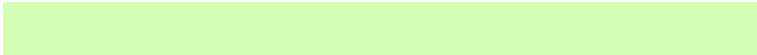


20.3446, 21.4041, 23.3091

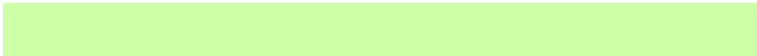


# Same Dimension

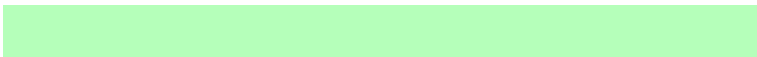
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5416, 89.0026, 57.1259



67.6163, 87.1501, 49.2142



63.6727, 84.8865, 59.4473



18.5166, 20.5522, 19.1354



22.2264, 39.1962, 6.3942



2.2865, 3.8795, 0.6283



# Inverse Universe

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



65.0062, 55.9569, 101.9823



60.0798, 49.0625, 100.9112



75.0302, 61.2150, 98.3586



17.9898, 17.8865, 22.7542



15.6828, 6.9952, 49.9582

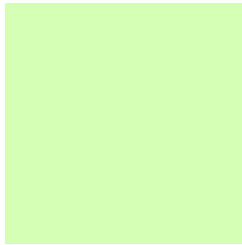


1.6523, 0.7457, 4.8701



# Previews

## White Background



This preview shows how the XYZ color 71.5411, 89.0023, 57.1246 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 71.5411, 89.0023, 57.1246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

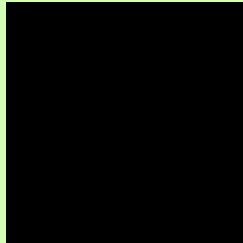
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

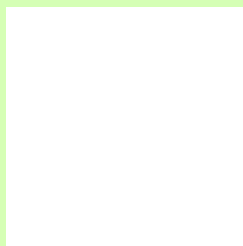
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.5411, 89.0023, 57.1246**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5411, 89.0023, 57.1246.



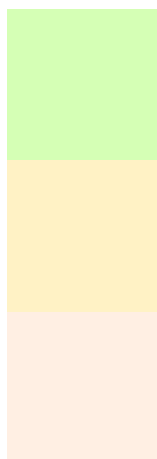
This preview shows how white text looks on a background with the XYZ color 71.5411, 89.0023,



# 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

71.5411, 89.0023, 57.1246

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

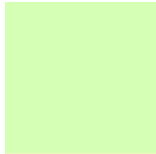
85.9716, 88.5391, 85.2316



## Tritanopia

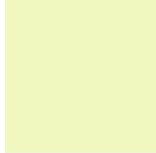
83.3793, 88.4770, 107.2909

# Trichromacy



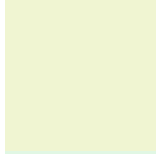
## Original Color

71.5411, 89.0023, 57.1246



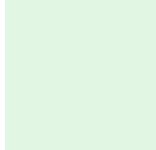
## Protanomaly

78.5999, 88.8084, 62.2893



## Deuteranomaly

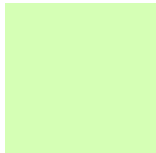
80.2204, 88.4832, 73.8237



## Tritanomaly

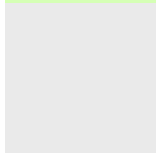
78.3157, 88.1305, 86.2820

# Monochromacy



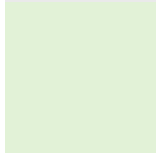
## Original Color

71.5411, 89.0023, 57.1246



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.3819, 84.5793, 76.6424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5411, 89.0023, 57.1246 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(213, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 181)  
}
```

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(213, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5411, 89.0023, 57.1246 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(213, 255, 181) }
```



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

```
.border{ border-color:rgb(213, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5411, 89.0023, 57.1246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 181) }
```

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

```
.background{ background-color: rgb(213,  
255, 181) }
```

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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