

# Converting Colors

XYZ(74.4091, 100.0000,  
58.0569)

Have a look what the booklet for  
XYZ(74.4091, 100.0000, 58.0569)  
contains.

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# Color

**XYZ(67.9841, 87.1922,  
55.8945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FFB3
RGB	201, 255, 179
RGB Percent	79%, 100%, 70%
CMY	0.2118, 0.0000, 0.2980
CMYK	0.21, 0.00, 0.30, 0.00
HSL	103°, 100%, 85%
HSV	103°, 30%, 100%
XYZ	67.9841, 87.1922, 55.8945
YIQ	230.1900, -7.7880, -35.0840

# Conversions

## Conversions Part 2

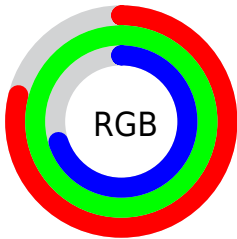
Format	Color
<a href="#">RYB</a>	<a href="#">179, 255, 233</a>
Decimal	<a href="#">13238195</a>
CIELab	<a href="#">94.82, -30.51, 30.93</a>
CIElCh	<a href="#">95, 43.448, 134.614</a>
Yxy	<a href="#">87.1922, 0.3221, 0.4131</a>
Android (android.graphics.Color)	<a href="#">4291428275 (0xFFC9FFB3)</a>
YUV	<a href="#">230.1900, -25.2367, -25.5996</a>
Hunter-Lab	<a href="#">93.3768, -33.4502, 29.8733</a>

# Details

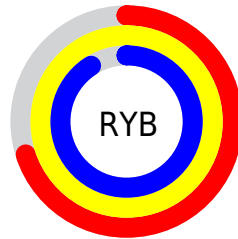
The XYZ color **67.9841, 87.1922, 55.8945** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7754, 56.7851, 101.9962**, and the grayscale version is **75.5392, 79.4731, 86.5462**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **35.8140, 48.0055, 27.1171** is the 20% darker color. If you saturate the color by 10%, you get **61.0518, 83.8894, 43.3296**, and if you desaturate by 10%, it is **75.9689, 90.9824, 71.0006**.

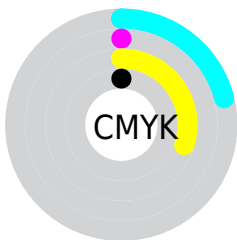
# Distribution



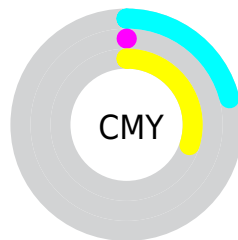
- Red (79%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9841, 87.1922, 55.8945 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 67.9841, 87.1922, 55.8945 by changing the saturation by 10% instead.





 67.9841, 87.1922,  
55.8945

 67.9841, 87.1922,  
55.8945

442.8173,  
518.8542, 426.6709

 50.1584, 65.6543,  
39.7149


 115.3714,  
143.4320, 100.3346

 35.7576, 47.9918,  
27.0042


145.6638,  
178.9027, 129.4321

 24.4163, 33.8204,  
17.3439


180.8424,  
219.7864, 163.6728

 15.7691, 22.7557,  
10.3155

221.2727,  
266.4675, 203.4750

 9.4507, 14.4132,  
5.5003

267.3200,  
319.3305, 249.2574

 5.0958, 8.4086,  
2.4799

319.3496,

 2.3389, 4.3575,

378.7596, 301.4385

0.8295

377.7269,  
445.1394, 360.4368

0.8145, 1.8755,  
0.0000

0.0000, 0.5336,  
0.0000

67.9841, 87.1922,  
55.8945

67.9841, 87.1922,  
55.8945

61.0518, 83.8894,  
43.3296

75.9689, 90.9824,  
71.0006

55.1243, 81.0526,  
33.1623

85.0480, 95.2789,  
88.7729

50.1523, 78.6596,  
25.2409

95.0500, 100.0000,  
108.9000

46.0811, 76.6860,  
19.3948

■ 42.8499, 75.1047,  
15.4286

■ 40.3890, 73.8848,  
13.1099

■ 38.5999, 72.9837,  
12.0673

■ 38.5696, 72.9684,  
12.0515

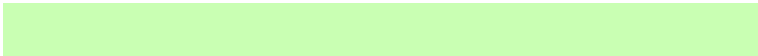
# Harmonies

## Analogous

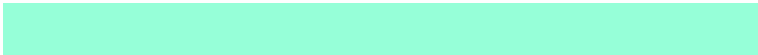
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2978, 87.1922, 45.0462



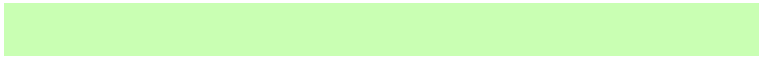
67.9841, 87.1922, 55.8945



62.9262, 87.1922, 78.7700

# Triad

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



67.9841, 87.1922, 55.8945



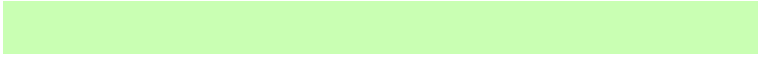
77.0173, 87.1922, 172.0723



106.7385, 87.1922, 79.5164

# Complementary

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



67.9841, 87.1922, 55.8945



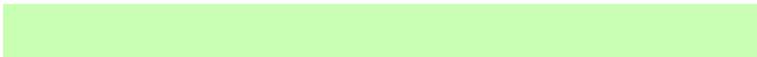
67.7754, 56.7851, 101.9962

# Split Complementary

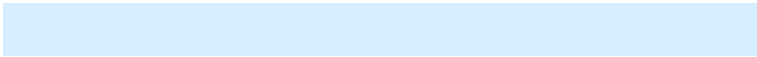
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6452, 87.1922, 113.1784



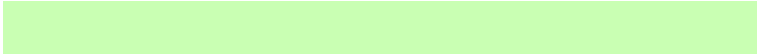
67.9841, 87.1922, 55.8945



88.7112, 87.1922, 172.4082

# Square

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



67.9841, 87.1922, 55.8945



67.7955, 87.1922, 148.0748



99.7923, 87.1922, 148.9061

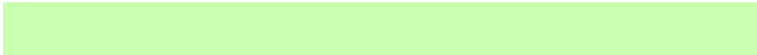


100.0363, 87.1922, 56.3290



# Rectangle

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



67.9841, 87.1922, 55.8945



62.3147, 87.1922, 100.2433



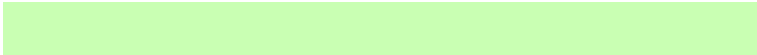
99.7923, 87.1922, 148.9061



107.5197, 87.1922, 89.8222

# Sweetspot

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



67.9846, 87.1924, 55.8958



85.8257, 95.6464, 90.3193



78.2901, 82.3411, 54.4163



18.0697, 20.3303, 18.7351



0.0000, 0.0000, 0.0000

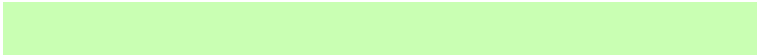


20.3446, 21.4041, 23.3091

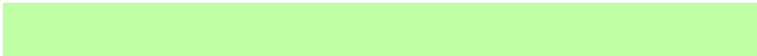


# Same Dimension

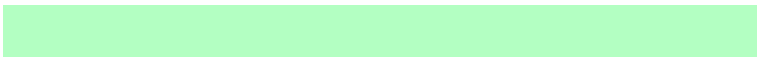
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9846, 87.1924, 55.8958



63.5672, 85.0894, 47.8179



64.1113, 85.0081, 64.1872



18.2655, 20.4228, 19.1236



20.2807, 38.1932, 6.3031



2.0773, 3.7717, 0.6185



# Inverse Universe

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



67.7754, 56.7851, 101.9962



63.3134, 50.0494, 100.9313



73.0592, 59.7806, 89.9710



18.2504, 18.0208, 22.7664



19.5671, 8.9977, 50.1400

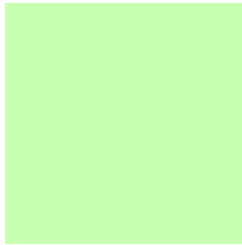


2.0136, 0.9320, 4.8870



# Previews

## White Background



This preview shows how the XYZ color 67.9841, 87.1922, 55.8945 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 67.9841, 87.1922, 55.8945 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

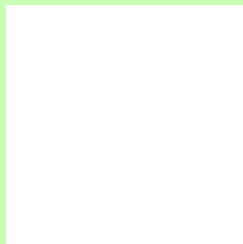
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.9841, 87.1922, 55.8945**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.9841, 87.1922, 55.8945.



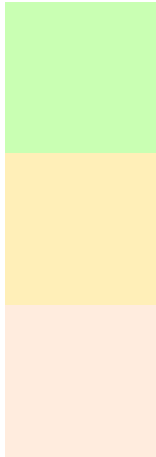
This preview shows how white text looks on a background with the XYZ color 67.9841, 87.1922,



# 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

67.9841, 87.1922, 55.8945

### Protanopia

80.7582, 86.4537, 57.7782

### Deuteranopia

84.4203, 86.5248, 81.3588



## Tritanopia

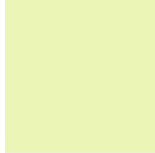
80.5426, 86.5716, 107.0727

# Trichromacy



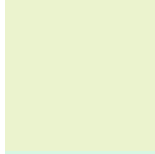
## Original Color

67.9841, 87.1922, 55.8945



## Protanomaly

75.3569, 86.3444, 56.9504



## Deuteranomaly

77.4521, 86.2196, 70.9524



## Tritanomaly

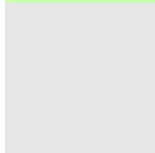
75.4448, 86.6665, 85.4250

# Monochromacy



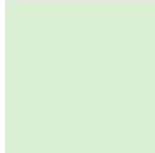
## Original Color

67.9841, 87.1922, 55.8945



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

71.8378, 81.4962, 73.5721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9841, 87.1922, 55.8945 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(201, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 179)  
}
```

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(201, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9841, 87.1922, 55.8945 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(201, 255, 179) }
```



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

```
.border{ border-color:rgb(201, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9841, 87.1922, 55.8945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 179) }
```

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

```
.background{ background-color: rgb(201,  
255, 179) }
```

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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