

# Converting Colors

XYZ(67.4100, 86.8901, 56.1445)

Have a look what the booklet for  
XYZ(67.4100, 86.8901, 56.1445)  
contains.

<b>XYZ(67.5514, 86.9574, 56.4041)</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(67.5514, 86.9574,  
56.4041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFB4
RGB	199, 255, 180
RGB Percent	78%, 100%, 71%
CMY	0.2196, 0.0000, 0.2941
CMYK	0.22, 0.00, 0.29, 0.00
HSL	105°, 100%, 85%
HSV	105°, 29%, 100%
XYZ	67.5514, 86.9574, 56.4041
YIQ	229.7060, -9.3010, -35.1970

# Conversions

## Conversions Part 2

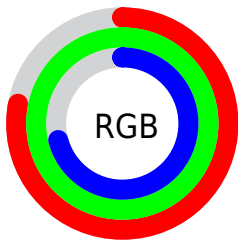
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 255, 236
Decimal	13107124
CIELab	94.72, -31.04, 30.27
CIELCh	95, 43.355, 135.714
Yxy	86.9574, 0.3203, 0.4123
Android (android.graphics.Color)	4291297204 (0xFFC7FFB4)
YUV	229.7060, -24.5051, -26.9292
Hunter-Lab	93.2510, -33.8830, 29.4133

# Details

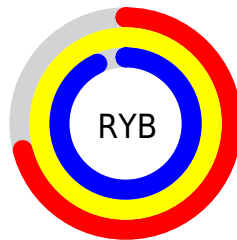
The XYZ color **67.5514, 86.9574, 56.4041** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9643, 57.6966, 102.1095**, and the grayscale version is **75.1763, 79.0913, 86.1304**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **35.5264, 47.8498, 27.4422** is the 20% darker color. If you saturate the color by 10%, you get **60.4479, 83.5684, 43.7361**, and if you desaturate by 10%, it is **75.7660, 90.8639, 71.6212**.

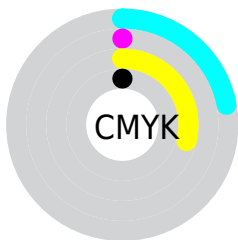
# Distribution



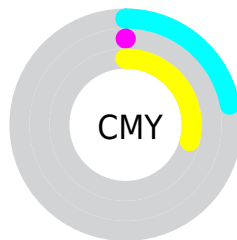
- Red (78%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (93%)



- Cyan (22%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5514, 86.9574, 56.4041 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 67.5514, 86.9574, 56.4041 by changing the saturation by 10% instead.





 67.5514, 86.9574,  
56.4041

 67.5514, 86.9574,  
56.4041


441.3066,  
518.0829, 428.6436

 49.8052, 65.4600,  
40.1208


 114.7556,  
143.1048, 101.0869

 35.4758, 47.8341,  
27.3183


144.9443,  
178.5235, 130.3234

 24.1979, 33.6956,  
17.5779


180.0112,  
219.3514, 164.7148

 15.6060, 22.6598,  
10.4810

220.3218,  
265.9729, 204.6797

 9.3348, 14.3425,  
5.6093

266.2412,  
318.7724, 250.6364

 5.0191, 8.3593,  
2.5441

318.1349,

 2.2933, 4.3257,

378.1343, 303.0036

0.8634

376.3683,  
444.4430, 362.1999

■ 0.7913, 1.8574,  
0.0000

■ 0.0000, 0.5226,  
0.0000

■ 67.5514, 86.9574,  
56.4041

■ 67.5514, 86.9574,  
56.4041

■ 60.4479, 83.5684,  
43.7361

■ 75.7660, 90.8639,  
71.6212

■ 54.4045, 80.6738,  
33.4739

■ 85.1364, 95.3082,  
89.5122

■ 49.3682, 78.2496,  
25.4663

95.0500, 100.0000,  
108.9000

■ 45.2807, 76.2692,  
19.5431

■ 42.0769, 74.7036,  
15.5100

■ 39.6823, 73.5192,  
13.1362

■ 37.9961, 72.6718,  
12.0676

■ 37.9134, 72.6301,  
12.0208

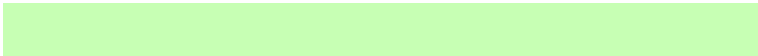
# Harmonies

## Analogous

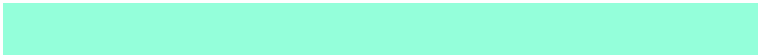
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6985, 86.9574, 45.1700



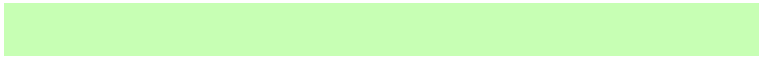
67.5514, 86.9574, 56.4041



62.6873, 86.9574, 79.6392

# Triad

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



67.5514, 86.9574, 56.4041



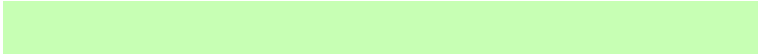
77.2159, 86.9574, 171.9650



106.2849, 86.9574, 78.2625

# Complementary

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



67.5514, 86.9574, 56.4041



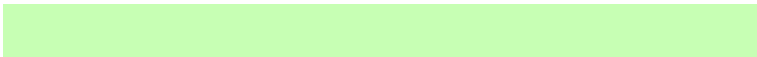
68.9643, 57.6966, 102.1095

# Split Complementary

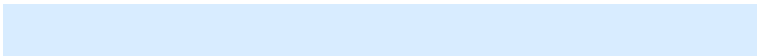
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.4569, 86.9574, 111.5086



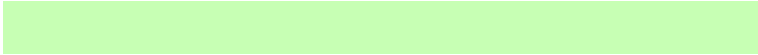
67.5514, 86.9574, 56.4041



88.9025, 86.9574, 171.3459

# Square

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



67.5514, 86.9574, 56.4041



67.8992, 86.9574, 148.7774



99.8467, 86.9574, 147.2450

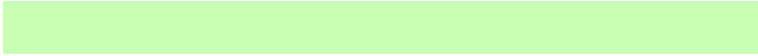


99.3968, 86.9574, 55.6025



# Rectangle

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



67.5514, 86.9574, 56.4041



62.2023, 86.9574, 101.2515



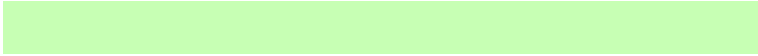
99.8467, 86.9574, 147.2450



107.1504, 86.9574, 88.4027

# Sweetspot

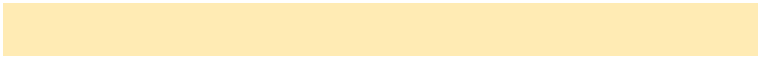
The Sweet Spot groups the original color and five complimentary colors.



67.5519, 86.9576, 56.4054



85.5468, 95.5026, 90.3062



79.1870, 83.9724, 55.2160



18.0014, 20.2950, 18.7319



0.0000, 0.0000, 0.0000

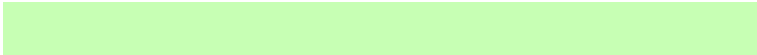


20.3446, 21.4041, 23.3091

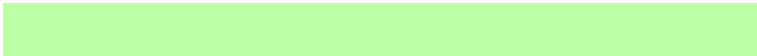


# Same Dimension

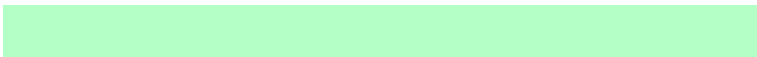
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5519, 86.9576, 56.4054



63.4476, 85.0010, 49.0191



64.7186, 85.2778, 66.1745



18.2027, 20.3904, 19.1207



19.9255, 38.0101, 6.2865



2.0356, 3.7501, 0.6166



# Inverse Universe

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



68.9643, 57.6966, 102.1095



65.0466, 51.6229, 101.1436



72.9211, 60.0472, 88.2516



18.3170, 18.0551, 22.7695



20.7250, 9.5946, 50.1942

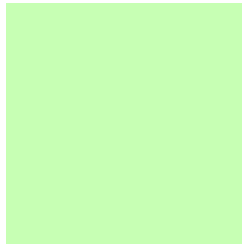


2.1185, 0.9860, 4.8919



# Previews

## White Background



This preview shows how the XYZ color 67.5514, 86.9574, 56.4041 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 67.5514, 86.9574, 56.4041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

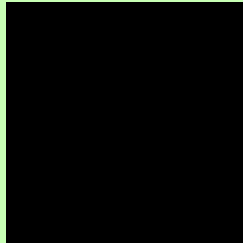
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

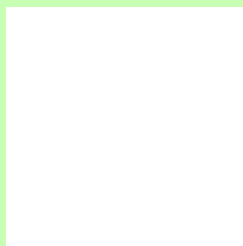
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.5514, 86.9574, 56.4041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5514, 86.9574, 56.4041.



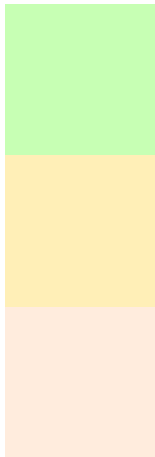
This preview shows how white text looks on a background with the XYZ color 67.5514, 86.9574,



# 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

67.5514, 86.9574, 56.4041

### Protanopia

80.6537, 86.4119, 57.2280

### Deuteranopia

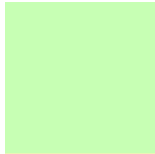
84.2866, 86.4714, 80.6549



## **Tritanopia**

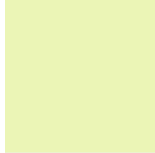
80.2336, 86.4122, 107.0582

# Trichromacy



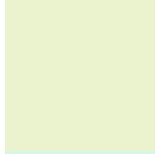
## Original Color

67.5514, 86.9574, 56.4041



## Protanomaly

75.3569, 86.3444, 56.9504



## Deuteranomaly

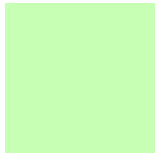
77.4521, 86.2196, 70.9524



## Tritanomaly

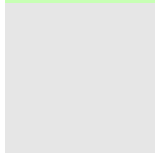
74.9959, 86.4191, 86.1266

# Monochromacy



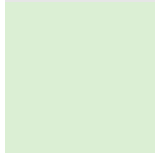
## Original Color

67.5514, 86.9574, 56.4041



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

71.9636, 81.5465, 74.2345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5514, 86.9574, 56.4041 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5514, 86.9574, 56.4041 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, 180) }
```



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

```
.border{ border-color:rgb(199, 255, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 255, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 255, 180); box-shadow:4px 4px 4px 4px rgb(199, 255, 180) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5514, 86.9574, 56.4041 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, 180) }
```

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

```
.background{ background-color: rgb(199,  
255, 180) }
```

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