

# Converting Colors

XYZ(118.3832, 191.4932,  
69.5147)

Have a look what the booklet for  
XYZ(118.3832, 191.4932, 69.5147)  
contains.

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# Color

**XYZ(65.7121, 86.1007,  
52.1854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FFAC
RGB	195, 255, 172
RGB Percent	76%, 100%, 67%
CMY	0.2353, 0.0000, 0.3255
CMYK	0.24, 0.00, 0.33, 0.00
HSL	103°, 100%, 84%
HSV	103°, 33%, 100%
XYZ	65.7121, 86.1007, 52.1854
YIQ	227.5980, -9.1170, -38.5330

# Conversions

## Conversions Part 2

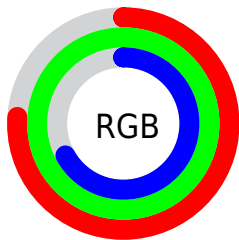
Format	Color
<a href="#">RYB</a>	<a href="#">172, 255, 232</a>
Decimal	<a href="#">12844972</a>
CIELab	<a href="#">94.36, -33.55, 33.75</a>
CIELCh	<a href="#">94, 47.590, 134.829</a>
Yxy	<a href="#">86.1007, 0.3221, 0.4221</a>
Android (android.graphics.Color)	<a href="#">4291035052 (0xFFC3FFAC)</a>
YUV	<a href="#">227.5980, -27.4098, -28.5884</a>
Hunter-Lab	<a href="#">92.7905, -35.9737, 31.6086</a>

# Details

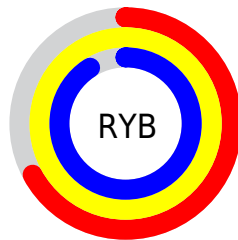
The XYZ color **65.7121, 86.1007, 52.1854** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.0822, 53.8821, 101.5251**, and the grayscale version is **73.6473, 77.4827, 84.3786**.

A 20% lighter version of the original color is **90.2716, 98.0041, 87.5576**, and **34.3391, 47.2955, 24.7719** is the 20% darker color. If you saturate the color by 10%, you get **59.0204, 82.9073, 40.2915**, and if you desaturate by 10%, it is **73.4626, 89.7856, 66.5842**.

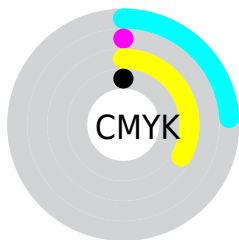
# Distribution



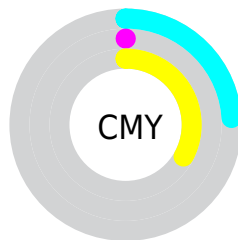
- Red (76%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7121, 86.1007, 52.1854 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 65.7121, 86.1007, 52.1854 by changing the saturation by 10% instead.





 65.7121, 86.1007,  
52.1854

 65.7121, 86.1007,  
52.1854

434.8514,  
515.2632, 412.1292

 48.3056, 64.7512,  
36.7696


 112.1330,  
141.9100, 94.8340

 34.2812, 47.2594,  
24.7348


141.8782,  
177.1386, 122.9038

 23.2736, 33.2408,  
15.6623


176.4669,  
217.7625, 156.0288

 14.9175, 22.3110,  
9.1338

216.2645,  
264.1659, 194.6274

 8.8474, 14.0856,  
4.7305

261.6364,  
316.7333, 239.1183

 4.6981, 8.1802,  
2.0341

312.9480,

 2.1042, 4.2105,

375.8490, 289.9198

0.5761

370.5645,  
441.8975, 347.4506

■ 0.6915, 1.7920,  
0.0000

■ 0.0000, 0.4822,  
0.0000

■ 65.7121, 86.1007,  
52.1854

■ 65.7121, 86.1007,  
52.1854

■ 59.0204, 82.9073,  
40.2915

■ 73.4626, 89.7856,  
66.5842

■ 53.3380, 80.1831,  
30.7556

■ 82.3158, 93.9817,  
83.6156

■ 48.6130, 77.9047,  
23.4216

■ 92.3144, 98.7086,  
103.4034

■ 44.7879, 76.0463,  
18.1126

■ 95.0500, 100.0000,  
108.9000

■ 41.7983, 74.5792,  
14.6249

■ 39.5693, 73.4702,  
12.7119

■ 38.3336, 72.8468,  
12.0404

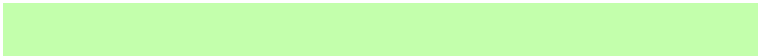
# Harmonies

## Analogous

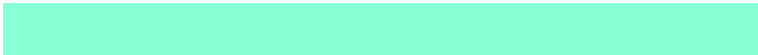
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7091, 86.1007, 40.8632



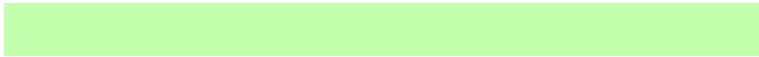
65.7121, 86.1007, 52.1854



60.3448, 86.1007, 76.5183

# Triad

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



65.7121, 86.1007, 52.1854



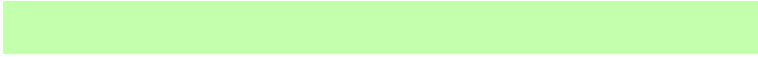
75.5749, 86.1007, 179.3528



107.9515, 86.1007, 76.8727

# Complementary

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



65.7121, 86.1007, 52.1854



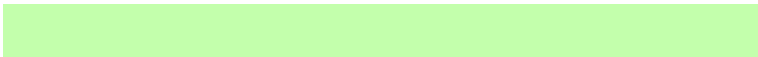
66.0822, 53.8821, 101.5251

# Split Complementary

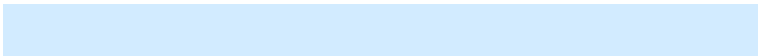
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.9059, 86.1007, 113.3897



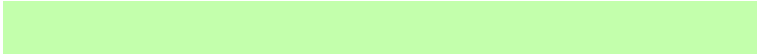
65.7121, 86.1007, 52.1854



88.2851, 86.1007, 179.5201

# Square

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



65.7121, 86.1007, 52.1854



65.6227, 86.1007, 152.6020



100.4030, 86.1007, 153.0127

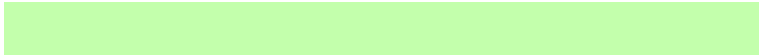


100.5217, 86.1007, 52.3863



# Rectangle

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



65.7121, 86.1007, 52.1854



59.7194, 86.1007, 99.7968



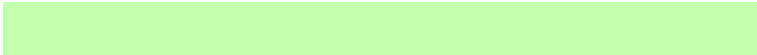
100.4030, 86.1007, 153.0127



108.8330, 86.1007, 87.9507

# Sweetspot

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



65.7125, 86.1009, 52.1867



84.7531, 95.1350, 88.3912



77.3982, 81.6618, 50.7140



17.8509, 20.2257, 18.3508



0.0000, 0.0000, 0.0000

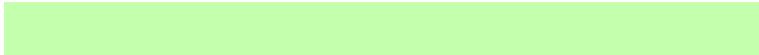


20.3446, 21.4041, 23.3091

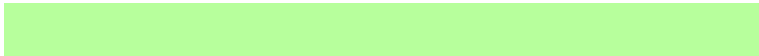


# Same Dimension

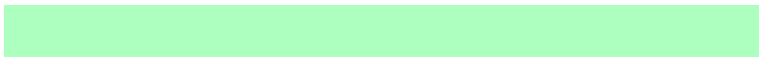
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7125, 86.1009, 52.1867



61.2767, 83.9855, 44.2343



62.0665, 84.0080, 61.6507



18.2440, 20.4117, 19.1226



20.1533, 38.1275, 6.2972



2.0626, 3.7641, 0.6178



# Inverse Universe

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



66.0822, 53.8821, 101.5251



61.6815, 47.2492, 100.4768



71.2816, 56.8814, 87.3562



18.2731, 18.0325, 22.7675



19.9550, 9.1977, 50.1582

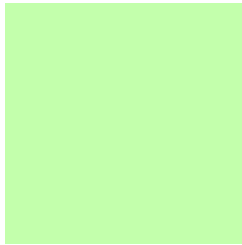


2.0489, 0.9501, 4.8887



# Previews

## White Background



This preview shows how the XYZ color 65.7121, 86.1007, 52.1854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

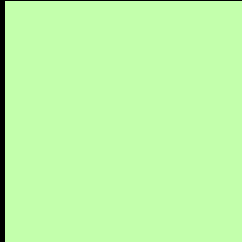
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7121, 86.1007, 52.1854 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

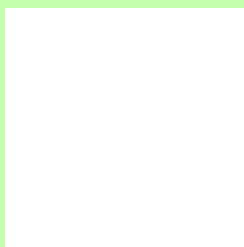
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.7121, 86.1007, 52.1854

## Background



This preview shows how black text looks on a background with the XYZ color 65.7121, 86.1007, 52.1854.



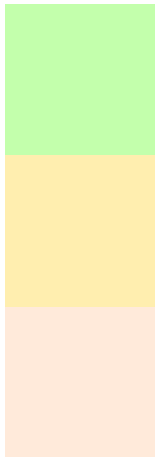
This preview shows how white text looks on a background with the XYZ color 65.7121, 86.1007,

52.1854.

# 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

65.7121, 86.1007, 52.1854

### Protanopia

79.5524, 85.5042, 52.8685

### Deuteranopia

83.3177, 85.1676, 78.3773



## Tritanopia

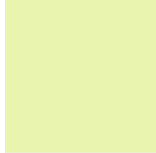
79.3173, 85.9399, 107.0153

# Trichromacy



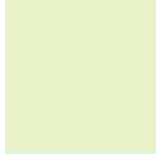
## Original Color

65.7121, 86.1007, 52.1854



## Protanomaly

73.5949, 85.0810, 52.5878



## Deuteranomaly

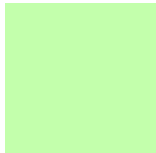
75.8990, 85.0449, 67.6734



## Tritanomaly

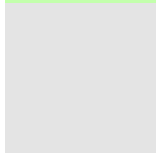
73.7153, 85.8067, 83.9113

# Monochromacy



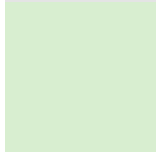
## Original Color

65.7121, 86.1007, 52.1854



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.2786, 80.3021, 71.4703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7121, 86.1007, 52.1854 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(195, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 172)  
}
```

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(195, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7121, 86.1007, 52.1854 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(195, 255, 172) }
```



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

```
.border{ border-color:rgb(195, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7121, 86.1007, 52.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 172) }
```

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

```
.background{ background-color: rgb(195,  
255, 172) }
```

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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