

# Converting Colors

XYZ(68.4615, 92.7146, 52.5902)

Have a look what the booklet for  
XYZ(68.4615, 92.7146, 52.5902)  
contains.

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# Color

**XYZ(65.1030, 85.7977,  
51.6574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1FFAB
RGB	193, 255, 171
RGB Percent	76%, 100%, 67%
CMY	0.2431, 0.0000, 0.3294
CMYK	0.24, 0.00, 0.33, 0.00
HSL	104°, 100%, 84%
HSV	104°, 33%, 100%
XYZ	65.1030, 85.7977, 51.6574
YIQ	226.8860, -9.9880, -39.2680

# Conversions

## Conversions Part 2

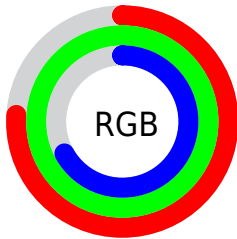
Format	Color
<a href="#">RYB</a>	<a href="#">171, 255, 233</a>
Decimal	<a href="#">12713899</a>
CIELab	<a href="#">94.23, -34.36, 34.06</a>
CIELCh	<a href="#">94, 48.381, 135.255</a>
Yxy	<a href="#">85.7977, 0.3214, 0.4236</a>
Android (android.graphics.Color)	<a href="#">4290903979 (0xFFC1FFAB)</a>
YUV	<a href="#">226.8860, -27.5518, -29.7180</a>
Hunter-Lab	<a href="#">92.6270, -36.6385, 31.7734</a>

# Details

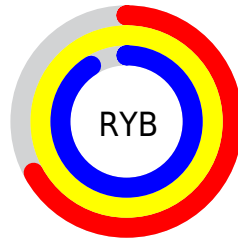
The XYZ color **65.1030, 85.7977, 51.6574** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.2182, 53.6707, 101.4771**, and the grayscale version is **73.1295, 76.9380, 83.7854**.

A 20% lighter version of the original color is **89.4088, 97.5753, 86.7946**, and **33.9453, 47.0994, 24.4415** is the 20% darker color. If you saturate the color by 10%, you get **58.4052, 82.5991, 39.8566**, and if you desaturate by 10%, it is **72.8814, 89.4991, 65.9588**.

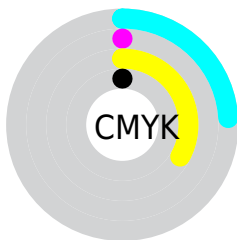
# Distribution



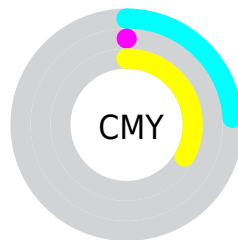
- Red (76%)
- Green (100%)
- Blue (67%)



- 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 65.1030, 85.7977, 51.6574 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 65.1030, 85.7977, 51.6574 by changing the saturation by 10% instead.





 65.1030, 85.7977,  
51.6574

 65.1030, 85.7977,  
51.6574


432.7014,  
514.2639, 410.0318

 47.8096, 64.5007,  
36.3517


 111.2628,  
141.4871, 94.0472

 33.8868, 47.0563,  
24.4141


140.8599,  
176.6484, 121.9684

 22.9691, 33.0802,  
15.4261


175.2890,  
217.1998, 154.9319

 14.6913, 22.1879,  
8.9690

214.9155,  
263.5259, 193.3561

 8.6879, 13.9950,  
4.6244

260.1045,  
316.0109, 237.6597

 4.5936, 8.1172,  
1.9738

311.2217,

 2.0432, 4.1700,

375.0393, 288.2611

0.5391

368.6321,  
440.9955, 345.5790

0.6580, 1.7691,  
0.0000

0.0000, 0.4678,  
0.0000

65.1030, 85.7977,  
51.6574

65.1030, 85.7977,  
51.6574

58.4052, 82.5991,  
39.8566

72.8814, 89.4991,  
65.9588

52.7366, 79.8801,  
30.4090

81.7855, 93.7239,  
82.8890

48.0436, 77.6164,  
23.1576

91.8595, 98.4920,  
102.5722

44.2667, 75.7813,  
17.9248

95.0500, 100.0000,  
108.9000

■ 41.3391, 74.3447,  
14.5053

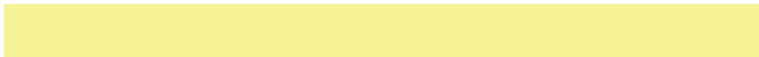
■ 39.1834, 73.2722,  
12.6502

■ 38.0599, 72.7056,  
12.0276

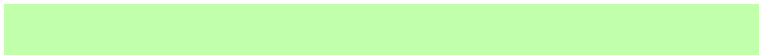
# Harmonies

## Analogous

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



75.1673, 85.7977, 40.1078



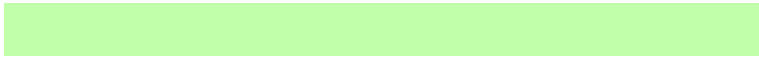
65.1030, 85.7977, 51.6574



59.7508, 85.7977, 76.4115

# Triad

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



65.1030, 85.7977, 51.6574



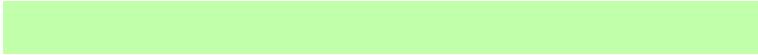
75.3705, 85.7977, 180.7976



108.0212, 85.7977, 75.8757

# Complementary

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



65.1030, 85.7977, 51.6574



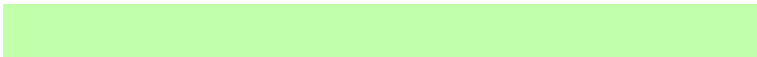
66.2182, 53.6707, 101.4771

# Split Complementary

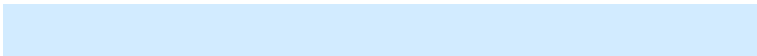
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.0905, 85.7977, 112.7799



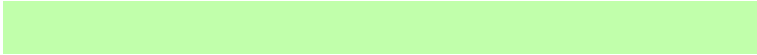
65.1030, 85.7977, 51.6574



88.2803, 85.7977, 180.5422

# Square

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



65.1030, 85.7977, 51.6574



65.2382, 85.7977, 153.8083



100.5527, 85.7977, 153.1824

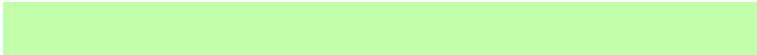


100.3724, 85.7977, 51.3551



# Rectangle

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



65.1030, 85.7977, 51.6574



59.1710, 85.7977, 100.1076



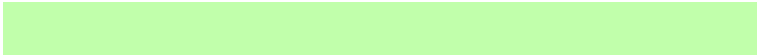
100.5527, 85.7977, 153.1824



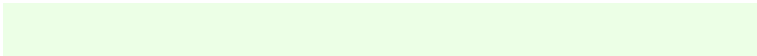
108.9564, 85.7977, 87.0354

# Sweetspot

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



65.1035, 85.7979, 51.6587



84.6241, 95.0685, 88.3852



77.6169, 82.2524, 50.3148



17.8199, 20.2097, 18.3493



0.0000, 0.0000, 0.0000

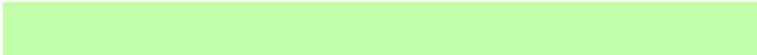


20.3446, 21.4041, 23.3091

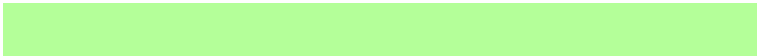


# Same Dimension

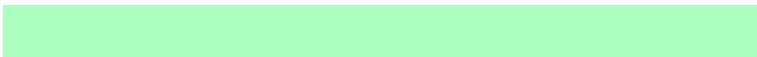
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1035, 85.7979, 51.6587



60.2654, 83.4888, 43.0756



61.9154, 83.9223, 61.9962



18.2176, 20.3981, 19.1214



20.0051, 38.0511, 6.2902



2.0451, 3.7550, 0.6170



# Inverse Universe

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



66.2182, 53.6707, 101.4771



61.5273, 46.5434, 100.3487



70.8568, 56.4081, 86.0544



18.3012, 18.0470, 22.7688



20.4438, 9.4496, 50.1810

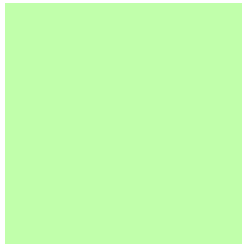


2.0931, 0.9730, 4.8908



# Previews

## White Background



This preview shows how the XYZ color 65.1030, 85.7977, 51.6574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

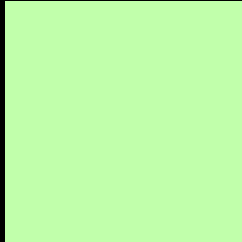
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1030, 85.7977, 51.6574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

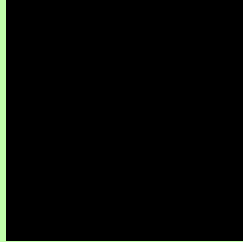
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

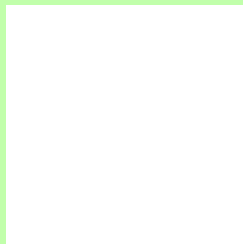
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.1030, 85.7977, 51.6574

## Background



This preview shows how black text looks on a background with the XYZ color 65.1030, 85.7977, 51.6574.



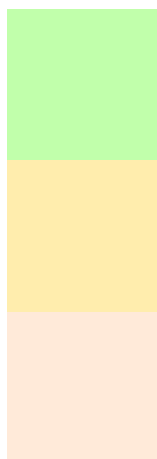
This preview shows how white text looks on a background with the XYZ color 65.1030, 85.7977,

51.6574.

# 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

65.1030, 85.7977, 51.6574

### Protanopia

79.0670, 84.8455, 51.7447

### Deuteranopia

83.1872, 85.1154, 77.6901



## Tritanopia

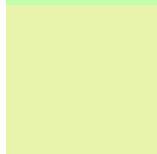
78.7156, 85.6297, 106.9872

# Trichromacy



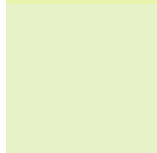
## Original Color

65.1030, 85.7977, 51.6574



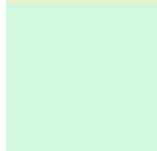
## Protanomaly

73.0758, 84.8357, 51.5532



## Deuteranomaly

75.4562, 84.8302, 67.0405



## Tritanomaly

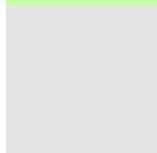
73.0098, 85.4587, 83.1682

# Monochromacy



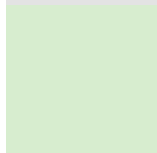
## Original Color

65.1030, 85.7977, 51.6574



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.5710, 79.5204, 70.7137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1030, 85.7977, 51.6574 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(193, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 171)  
}
```

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(193, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1030, 85.7977, 51.6574 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(193, 255, 171) }
```



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

```
.border{ border-color:rgb(193, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1030, 85.7977, 51.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 171) }
```

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

```
.background{ background-color: rgb(193,  
255, 171) }
```

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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