

# Converting Colors

XYZ(65.0371, 85.9487, 43.3001)

Have a look what the booklet for  
XYZ(65.0371, 85.9487, 43.3001)  
contains.

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# Color

**XYZ(65.0630, 85.9620,  
43.3001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7FF99
RGB	199, 255, 153
RGB Percent	78%, 100%, 60%
CMY	0.2196, 0.0000, 0.4000
CMYK	0.22, 0.00, 0.40, 0.00
HSL	93°, 100%, 80%
HSV	93°, 40%, 100%
XYZ	65.0630, 85.9620, 43.3001
YIQ	226.6280, -0.6340, -43.5940

# Conversions

## Conversions Part 2

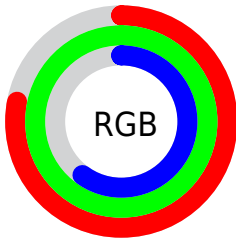
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 209
Decimal	13107097
CIELab	94.30, -34.76, 43.09
CIElCh	94, 55.360, 128.889
Yxy	85.9620, 0.3348, 0.4424
Android (android.graphics.Color)	4291297177 (0xFFC7FF99)
YUV	226.6280, -36.2986, -24.2298
Hunter-Lab	92.7157, -36.9905, 37.2114

# Details

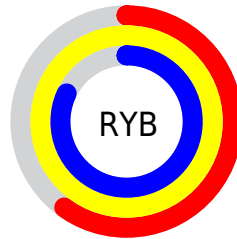
The XYZ color **65.0630, 85.9620, 43.3001** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.7368, 43.5590, 100.0778**, and the grayscale version is **72.9986, 76.8002, 83.6354**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.8220, 47.1479, 19.3744** is the 20% darker color. If you saturate the color by 10%, you get **59.6313, 83.3798, 33.2019**, and if you desaturate by 10%, it is **71.2873, 88.9009, 55.7870**.

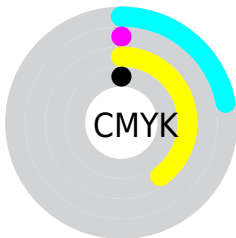
# Distribution



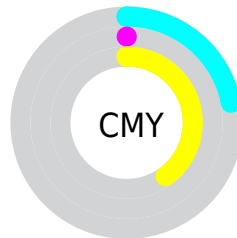
- Red (78%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0630, 85.9620, 43.3001 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 65.0630, 85.9620, 43.3001 by changing the saturation by 10% instead.





 65.0630, 85.9620,  
43.3001


 65.0630, 85.9620,  
43.3001


432.5600,  
514.8059, 375.8019

 47.7771, 64.6366,  
29.7875


 111.2056,  
141.7165, 81.4547

 33.8609, 47.1664,  
19.4267


 140.7930,  
176.9143, 106.9339

 22.9491, 33.1672,  
11.7991


175.2116,  
217.5050, 137.2389

 14.6764, 22.2546,  
6.4861

214.8268,  
263.8730, 172.7884

 8.6775, 14.0441,  
3.0693

260.0038,  
316.4027, 214.0009

 4.5868, 8.1513,  
1.1301

311.1081,

 2.0392, 4.1919,

375.4785, 261.2950

0.0000

368.5051,  
441.4847, 315.0891

■ 0.6558, 1.7815,  
0.0000

■ 0.0000, 0.4756,  
0.0000

■ 65.0630, 85.9620,  
43.3001

■ 65.0630, 85.9620,  
43.3001

■ 59.6313, 83.3798,  
33.2019

■ 71.2873, 88.9009,  
55.7870

■ 54.9531, 81.1373,  
25.3358

■ 78.3383, 92.2108,  
70.7981

■ 50.9867, 79.2169,  
19.5326

■ 86.2493, 95.9063,  
88.4633

■ 47.6853, 77.5987,  
15.5971

95.0500, 100.0000,  
108.9000

■ 44.9942, 76.2595,  
13.2965

■ 42.8302, 75.1648,  
12.2510

■ 42.8300, 75.1647,  
12.2509

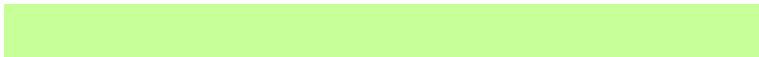
# Harmonies

## Analogous

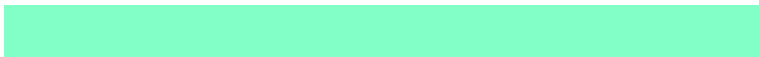
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3728, 85.9620, 33.8378



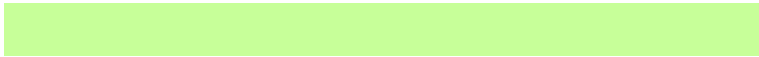
65.0630, 85.9620, 43.3001



57.8652, 85.9620, 67.1351

# Triad

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



65.0630, 85.9620, 43.3001



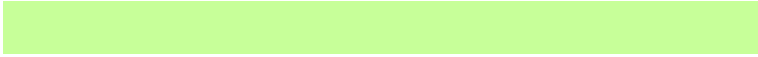
71.8491, 85.9620, 192.4400



113.2728, 85.9620, 81.5265

# Complementary

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



65.0630, 85.9620, 43.3001



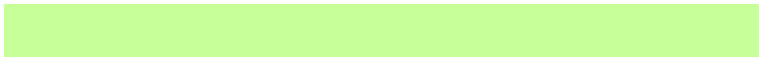
55.7368, 43.5590, 100.0778

# Split Complementary

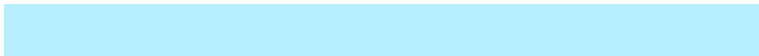
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3284, 85.9620, 126.2350



65.0630, 85.9620, 43.3001



86.1946, 85.9620, 199.8156

# Square

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



65.0630, 85.9620, 43.3001



61.4407, 85.9620, 154.8688



100.9657, 85.9620, 172.7306

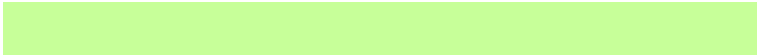


105.9953, 85.9620, 51.0863



# Rectangle

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



65.0630, 85.9620, 43.3001



56.3606, 85.9620, 92.0220



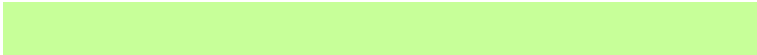
100.9657, 85.9620, 172.7306



113.6928, 85.9620, 95.1919

# Sweetspot

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



65.0634, 85.9622, 43.3014



84.5959, 95.1353, 84.7100



69.4002, 68.3804, 39.6792



17.8801, 20.2570, 17.6197



0.0000, 0.0000, 0.0000

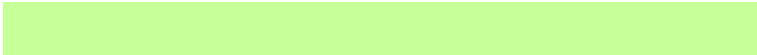


20.3446, 21.4041, 23.3091

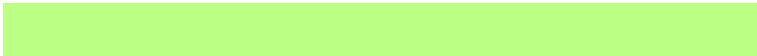


# Same Dimension

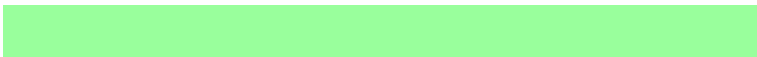
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0634, 85.9622, 43.3014



60.6556, 83.8683, 35.0370



54.9323, 80.7065, 44.3143



18.5495, 20.5692, 19.1369



22.5460, 39.3610, 6.4091



2.3190, 3.8962, 0.6298



# Inverse Universe

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



55.7368, 43.5590, 100.0778



50.1492, 36.1377, 98.9399



70.1391, 51.0463, 97.9197



17.9564, 17.8693, 22.7527



15.2574, 6.7760, 49.9383

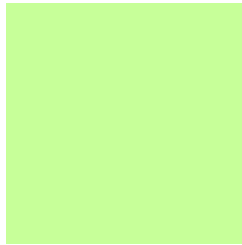


1.6115, 0.7247, 4.8682



# Previews

## White Background



This preview shows how the XYZ color 65.0630, 85.9620, 43.3001 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 65.0630, 85.9620, 43.3001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

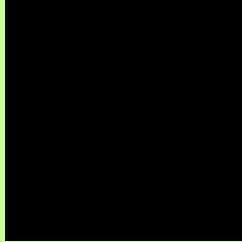
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

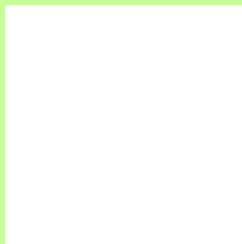
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.0630, 85.9620, 43.3001

## Background



This preview shows how black text looks on a background with the XYZ color 65.0630, 85.9620, 43.3001.



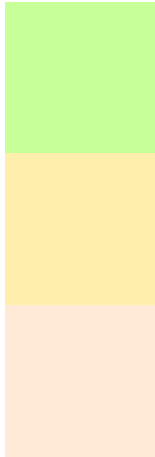
This preview shows how white text looks on a background with the XYZ color 65.0630, 85.9620,



# 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

65.0630, 85.9620, 43.3001

### Protanopia

79.2609, 85.3876, 51.3337

### Deuteranopia

82.9286, 85.0119, 76.3281



## Tritanopia

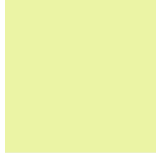
79.6295, 85.6602, 106.9449

# Trichromacy



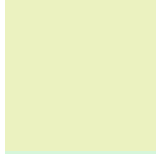
## Original Color

65.0630, 85.9620, 43.3001



## Protanomaly

73.4032, 85.0801, 48.1507



## Deuteranomaly

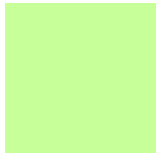
75.5275, 84.9722, 62.2897



## Tritanomaly

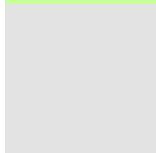
73.3422, 85.2696, 78.9228

# Monochromacy



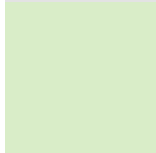
## Original Color

65.0630, 85.9620, 43.3001



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.3248, 79.4902, 66.3329

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0630, 85.9620, 43.3001 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0630, 85.9620, 43.3001 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, 153) }
```



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

```
.border{ border-color:rgb(199, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0630, 85.9620, 43.3001 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, 153) }
```

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

```
.background{ background-color: rgb(199,  
255, 153) }
```

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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