

# Converting Colors

XYZ(65.3330, 86.0963, 43.5330)

Have a look what the booklet for  
XYZ(65.3330, 86.0963, 43.5330)  
contains.

<b>XYZ(65.4122, 86.1325, 43.7495)</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(65.4122, 86.1325,  
43.7495)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8FF9A
RGB	200, 255, 154
RGB Percent	78%, 100%, 60%
CMY	0.2157, 0.0000, 0.3961
CMYK	0.22, 0.00, 0.40, 0.00
HSL	93°, 100%, 80%
HSV	93°, 40%, 100%
XYZ	65.4122, 86.1325, 43.7495
YIQ	227.0410, -0.3590, -43.0710

# Conversions

## Conversions Part 2

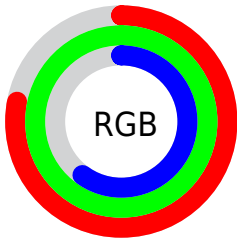
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">154, 255, 209</a>
Decimal	<a href="#">13172634</a>
<a href="#">CIELab</a>	<a href="#">94.37, -34.28, 42.71</a>
<a href="#">CIElCh</a>	<a href="#">94, 54.767, 128.755</a>
<a href="#">Yxy</a>	<a href="#">86.1325, 0.3349, 0.4410</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291362714 (0xFFC8FF9A)</a>
<a href="#">YUV</a>	<a href="#">227.0410, -36.0092, -23.7150</a>
<a href="#">Hunter-Lab</a>	<a href="#">92.8076, -36.6038, 37.0160</a>

# Details

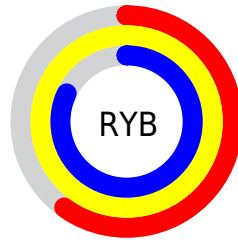
The XYZ color **65.4122, 86.1325, 43.7495** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.9012, 43.8878, 100.1326**, and the grayscale version is **73.2970, 77.1141, 83.9773**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **34.0446, 47.2570, 19.6391** is the 20% darker color. If you saturate the color by 10%, you get **59.9669, 83.5452, 33.5613**, and if you desaturate by 10%, it is **71.6462, 89.0742, 56.3319**.

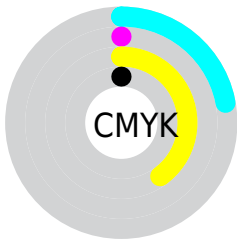
# Distribution



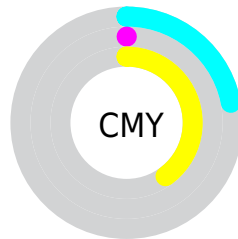
- Red (78%)
- Green (100%)
- Blue (60%)



- 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 65.4122, 86.1325, 43.7495 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 65.4122, 86.1325, 43.7495 by changing the saturation by 10% instead.





 65.4122, 86.1325,  
43.7495


 65.4122, 86.1325,  
43.7495


433.7936,  
515.3680, 377.6965

 48.0613, 64.7775,  
30.1379


 111.7047,  
141.9544, 82.1391

 34.0869, 47.2807,  
19.6903


 141.3770,  
177.1901, 107.7542

 23.1236, 33.2576,  
11.9883


175.8872,  
217.8215, 138.2075

 14.8060, 22.3239,  
6.6133

215.6006,  
264.2330, 173.9176

 8.7688, 14.0951,  
3.1467

260.8826,  
316.8090, 215.3030

 4.6466, 8.1868,  
1.1700

312.0985,

 2.0740, 4.2147,

375.9339, 262.7822

0.0000

369.6137,  
441.9921, 316.7739

0.6750, 1.7944,  
0.0000

0.0000, 0.4837,  
0.0000

65.4122, 86.1325,  
43.7495

65.4122, 86.1325,  
43.7495

59.9669, 83.5452,  
33.5613

71.6462, 89.0742,  
56.3319

55.2716, 81.2958,  
25.6113

78.7028, 92.3848,  
71.4434

51.2852, 79.3667,  
19.7309

86.6149, 96.0786,  
89.2136

47.9611, 77.7383,  
15.7263

95.0500, 100.0000,  
108.9000

■ 45.2455, 76.3878,  
13.3666

■ 43.0590, 75.2821,  
12.2903

■ 42.9806, 75.2423,  
12.2579

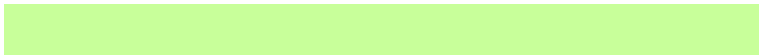
# Harmonies

## Analogous

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



77.6380, 86.1325, 34.3593



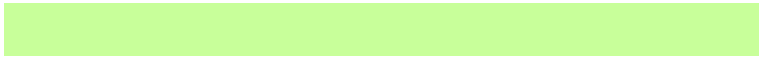
65.4122, 86.1325, 43.7495



58.2405, 86.1325, 67.3952

# Triad

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



65.4122, 86.1325, 43.7495



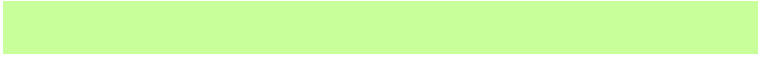
72.0424, 86.1325, 191.3093



113.1109, 86.1325, 81.9913

# Complementary

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



65.4122, 86.1325, 43.7495



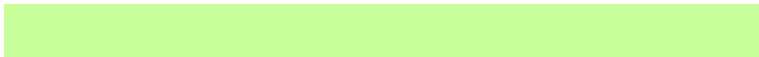
55.9012, 43.8878, 100.1326

# Split Complementary

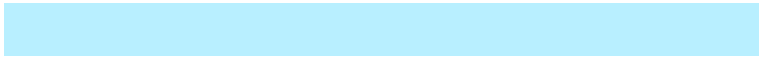
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.1473, 86.1325, 126.2923



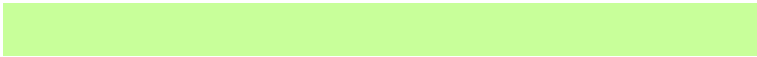
65.4122, 86.1325, 43.7495



86.2455, 86.1325, 198.7377

# Square

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



65.4122, 86.1325, 43.7495



61.7377, 86.1325, 154.1528



100.8715, 86.1325, 172.1630

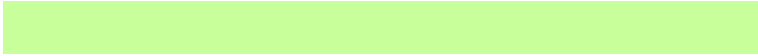


105.9540, 86.1325, 51.6788



# Rectangle

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



65.4122, 86.1325, 43.7495



56.7278, 86.1325, 92.0346



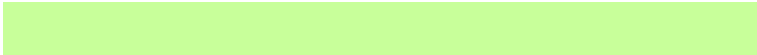
100.8715, 86.1325, 172.1630



113.5117, 86.1325, 95.5547

# Sweetspot

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



65.4125, 86.1326, 43.7508



84.6418, 95.1590, 84.7122



69.5967, 68.6406, 40.1539



17.8909, 20.2625, 17.6202



0.0000, 0.0000, 0.0000

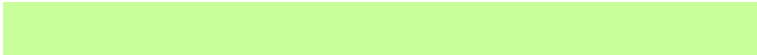


20.3446, 21.4041, 23.3091

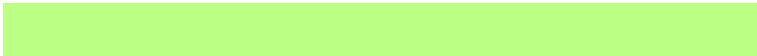


# Same Dimension

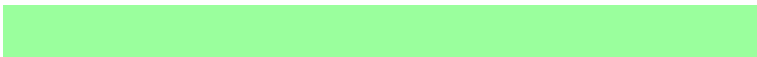
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4125, 86.1326, 43.7508



60.7903, 83.9377, 35.0433



55.2044, 80.8373, 44.7575



18.5574, 20.5733, 19.1373



22.6254, 39.4019, 6.4128



2.3270, 3.9004, 0.6302



# Inverse Universe

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



55.9012, 43.8878, 100.1326



50.0037, 36.0627, 98.9331



70.3087, 51.3772, 98.0023



17.9484, 17.8651, 22.7523



15.1576, 6.7245, 49.9337

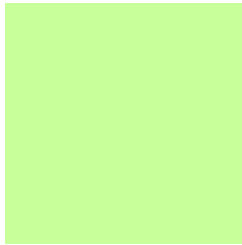


1.6019, 0.7197, 4.8678



# Previews

## White Background



This preview shows how the XYZ color 65.4122, 86.1325, 43.7495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

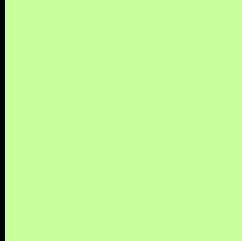
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4122, 86.1325, 43.7495 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

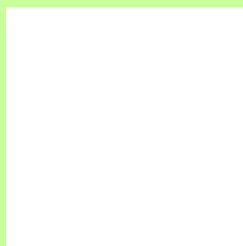
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.4122, 86.1325, 43.7495

## Background



This preview shows how black text looks on a background with the XYZ color 65.4122, 86.1325, 43.7495.



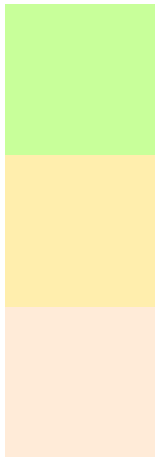
This preview shows how white text looks on a background with the XYZ color 65.4122, 86.1325,

43.7495.

# 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

65.4122, 86.1325, 43.7495

### Protanopia

79.3574, 85.4262, 51.8415

### Deuteranopia

83.3430, 85.6345, 77.1022



## Tritanopia

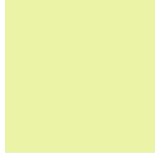
79.9367, 85.8186, 106.9593

# Trichromacy



## Original Color

65.4122, 86.1325, 43.7495



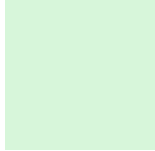
## Protanomaly

73.4946, 85.1167, 48.6320



## Deuteranomaly

75.6387, 85.0167, 62.8754



## Tritanomaly

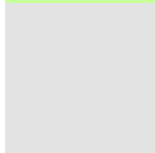
73.6350, 85.4206, 78.9365

# Monochromacy



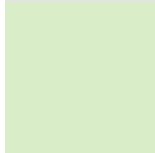
## Original Color

65.4122, 86.1325, 43.7495



## 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 65.4122, 86.1325, 43.7495 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(200, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 154)  
}
```

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(200, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4122, 86.1325, 43.7495 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(200, 255, 154) }
```



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

```
.border{ border-color:rgb(200, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4122, 86.1325, 43.7495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 154) }
```

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

```
.background{ background-color: rgb(200,  
255, 154) }
```

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