

# Converting Colors

XYZ(91.5852, 139.8639,  
53.0698)

Have a look what the booklet for  
XYZ(91.5852, 139.8639, 53.0698)  
contains.

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# Color

**XYZ(64.4413, 85.6223,  
44.1407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FF9B
RGB	196, 255, 155
RGB Percent	77%, 100%, 61%
CMY	0.2314, 0.0000, 0.3921
CMYK	0.23, 0.00, 0.39, 0.00
HSL	95°, 100%, 80%
HSV	95°, 39%, 100%
XYZ	64.4413, 85.6223, 44.1407
YIQ	225.9590, -3.0640, -43.6080

# Conversions

## Conversions Part 2

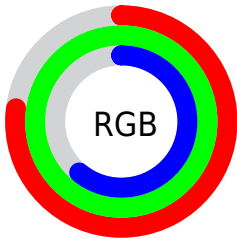
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 255, 214
Decimal	12910491
CIELab	94.15, -35.54, 41.89
CIELCh	94, 54.936, 130.307
Yxy	85.6223, 0.3318, 0.4409
Android (android.graphics.Color)	4291100571 (0xFFC4FF9B)
YUV	225.9590, -34.9828, -26.2740
Hunter-Lab	92.5323, -37.6207, 36.4895

# Details

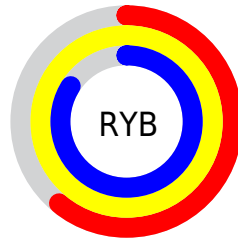
The XYZ color **64.4413, 85.6223, 44.1407** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.5041, 44.9602, 100.2551**, and the grayscale version is **72.5052, 76.2811, 83.0701**.

A 20% lighter version of the original color is **88.2659, 97.2440, 75.0906**, and **33.4076, 46.9229, 19.8666** is the 20% darker color. If you saturate the color by 10%, you get **58.8015, 82.9367, 33.8538**, and if you desaturate by 10%, it is **70.9266, 88.6915, 56.8300**.

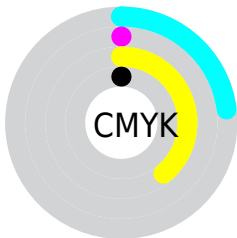
# Distribution



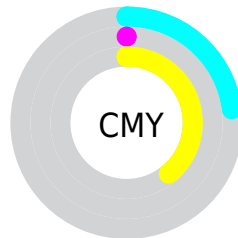
- Red (77%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (84%)



- Cyan (23%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4413, 85.6223, 44.1407 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 64.4413, 85.6223, 44.1407 by changing the saturation by 10% instead.





 64.4413, 85.6223,  
44.1407


 64.4413, 85.6223,  
44.1407


430.3585,  
513.6850, 379.3403

 47.2712, 64.3557,  
30.4431

 110.3164,  
141.2423, 82.7342

 33.4590, 46.9388,  
19.9203


 139.7522,  
176.3645, 108.4671

 22.6392, 32.9873,  
12.1536


174.0072,  
216.8740, 139.0490

 14.4465, 22.1167,  
6.7246

213.4468,  
263.1552, 174.8982

 8.5157, 13.9427,  
3.2146

258.4364,  
315.5925, 216.4334

 4.4812, 8.0808,  
1.2052

309.3413,

 1.9778, 4.1467,

374.5703, 264.0732

0.0000

366.5269,  
440.4730, 318.2359

■ 0.6215, 1.7560,  
0.0000

■ 0.0000, 0.4595,  
0.0000

■ 64.4413, 85.6223,  
44.1407

■ 64.4413, 85.6223,  
44.1407

■ 58.8015, 82.9367,  
33.8538

■ 70.9266, 88.6915,  
56.8300

■ 53.9658, 80.6168,  
25.8138

■ 78.2935, 92.1598,  
72.0565

■ 49.8906, 78.6436,  
19.8529

■ 86.5772, 96.0428,  
89.9492

■ 46.5266, 76.9962,  
15.7780

95.0500, 100.0000,  
108.9000

■ 43.8171, 75.6501,  
13.3602

■ 41.6826, 74.5719,  
12.2544

■ 41.5326, 74.4959,  
12.1902

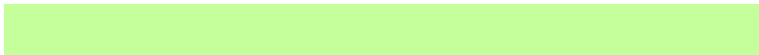
# Harmonies

## Analogous

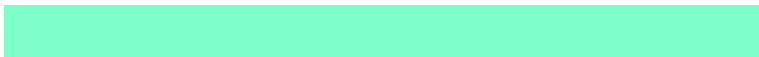
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4311, 85.6223, 34.1346



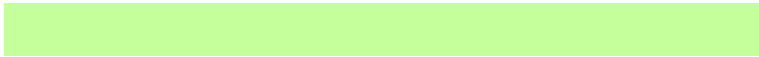
64.4413, 85.6223, 44.1407



57.5768, 85.6223, 68.5360

# Triad

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



64.4413, 85.6223, 44.1407



72.2282, 85.6223, 192.0280



112.4588, 85.6223, 79.4894

# Complementary

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



64.4413, 85.6223, 44.1407



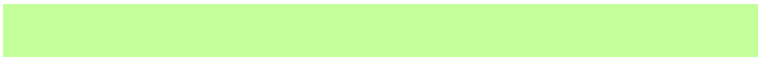
57.5041, 44.9602, 100.2551

# Split Complementary

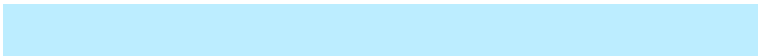
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.9809, 85.6223, 123.2355



64.4413, 85.6223, 44.1407



86.5410, 85.6223, 197.6289

# Square

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



64.4413, 85.6223, 44.1407



61.6837, 85.6223, 155.9665



101.0571, 85.6223, 169.5353

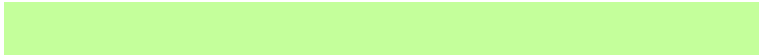


104.8808, 85.6223, 50.0755



# Rectangle

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



64.4413, 85.6223, 44.1407



56.2751, 85.6223, 93.6617



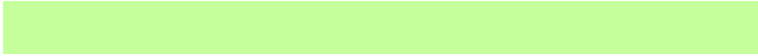
101.0571, 85.6223, 169.5353



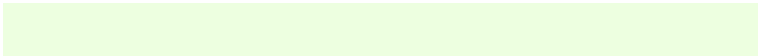
113.0248, 85.6223, 92.7959

# Sweetspot

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



64.4417, 85.6225, 44.1420



84.1758, 94.9187, 84.6904



71.0351, 71.3836, 41.0461



17.7814, 20.2061, 17.6151



0.0000, 0.0000, 0.0000

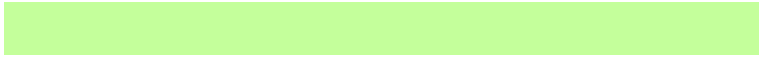


20.3446, 21.4041, 23.3091



# Same Dimension

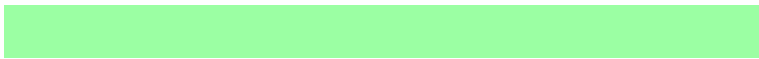
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4417, 85.6225, 44.1420



59.9797, 83.4993, 35.9328



55.9191, 81.1453, 47.5237



18.4768, 20.5317, 19.1335



21.8609, 39.0078, 6.3771



2.2488, 3.8601, 0.6265



# Inverse Universe

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



57.5041, 44.9602, 100.2551



52.1505, 37.6921, 99.1344



69.6990, 51.3985, 93.9738



18.0304, 17.9074, 22.7561



16.2210, 7.2727, 49.9834

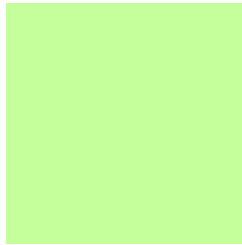


1.7035, 0.7721, 4.8725



# Previews

## White Background



This preview shows how the XYZ color 64.4413, 85.6223, 44.1407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

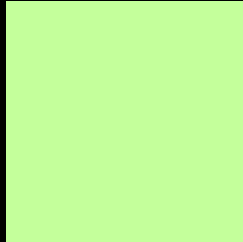
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.4413, 85.6223, 44.1407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

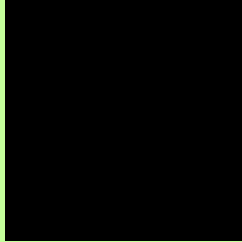
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

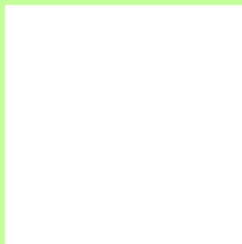
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.4413, 85.6223, 44.1407

## Background



This preview shows how black text looks on a background with the XYZ color 64.4413, 85.6223, 44.1407.



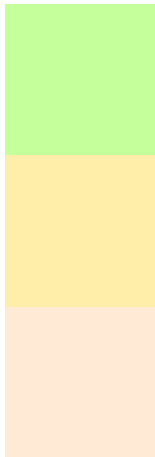
This preview shows how white text looks on a background with the XYZ color 64.4413, 85.6223,



# 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**

64.4413, 85.6223, 44.1407

**Protanopia**

78.7799, 84.7307, 50.2327

**Deuteranopia**

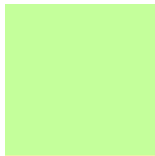
82.8004, 84.9607, 75.6533



## **Tritanopia**

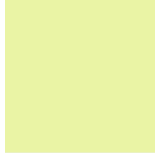
79.0205, 85.3462, 106.9164

# Trichromacy



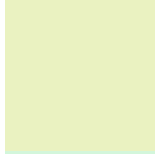
## Original Color

64.4413, 85.6223, 44.1407



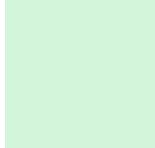
## Protanomaly

73.0739, 84.9104, 48.1353



## Deuteranomaly

75.3095, 84.8469, 62.8599



## Tritanomaly

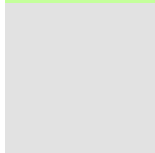
72.6059, 84.8749, 79.5736

# Monochromacy



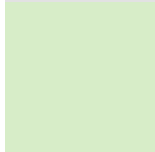
## Original Color

64.4413, 85.6223, 44.1407



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

68.7338, 79.1856, 66.3053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4413, 85.6223, 44.1407 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(196, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 155)  
}
```

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(196, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4413, 85.6223, 44.1407 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(196, 255, 155) }
```



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

```
.border{ border-color:rgb(196, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4413, 85.6223, 44.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 155) }
```

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

```
.background{ background-color: rgb(196,  
255, 155) }
```

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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