

# Converting Colors

XYZ(64.6269, 85.7372, 43.2797)

Have a look what the booklet for  
XYZ(64.6269, 85.7372, 43.2797)  
contains.

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# Color

**XYZ(64.5357, 85.6902,  
43.2755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF99
RGB	197, 255, 153
RGB Percent	77%, 100%, 60%
CMY	0.2274, 0.0000, 0.4000
CMYK	0.23, 0.00, 0.40, 0.00
HSL	94°, 100%, 80%
HSV	94°, 40%, 100%
XYZ	64.5357, 85.6902, 43.2755
YIQ	226.0300, -1.8260, -44.0180

# Conversions

## Conversions Part 2

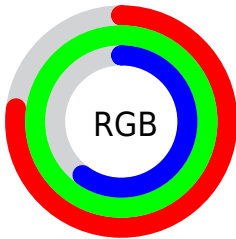
Format	Color
<a href="#">RYB</a>	<a href="#">153, 255, 211</a>
Decimal	<a href="#">12976025</a>
CIELab	<a href="#">94.18, -35.45, 42.92</a>
CIELCh	<a href="#">94, 55.664, 129.555</a>
Yxy	<a href="#">85.6902, 0.3335, 0.4428</a>
Android (android.graphics.Color)	<a href="#">4291166105</a> <a href="#">(0xFFC5FF99)</a>
YUV	<a href="#">226.0300, -36.0038, -25.4593</a>
Hunter-Lab	<a href="#">92.5690, -37.5521, 37.0806</a>

# Details

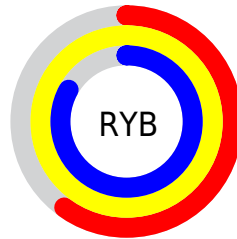
The XYZ color **64.5357, 85.6902, 43.2755** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.3064, 43.8527, 100.1045**, and the grayscale version is **72.5631, 76.3421, 83.1365**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.4788, 46.9710, 19.3584** is the 20% darker color. If you saturate the color by 10%, you get **59.0333, 83.0715, 33.1740**, and if you desaturate by 10%, it is **70.8541, 88.6775, 55.7668**.

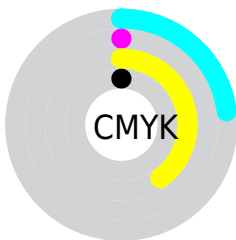
# Distribution



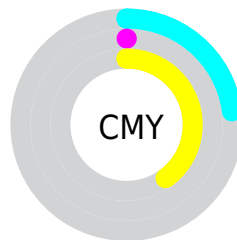
- Red (77%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (83%)



- Cyan (23%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5357, 85.6902, 43.2755 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 64.5357, 85.6902, 43.2755 by changing the saturation by 10% instead.





 64.5357, 85.6902,  
43.2755


 64.5357, 85.6902,  
43.2755


430.6932,  
513.9091, 375.6980

 47.3480, 64.4118,  
29.7683


 110.4515,  
141.3371, 81.4172

 33.5199, 46.9843,  
19.4123


 139.9103,  
176.4744, 106.8889

 22.6862, 33.0233,  
11.7887


174.1902,  
217.0001, 137.1858

 14.4814, 22.1443,  
6.4792

213.6565,  
263.2987, 172.7265

 8.5402, 13.9629,  
3.0651

258.6746,  
315.7545, 213.9295

 4.4972, 8.0949,  
1.1280

309.6099,

 1.9871, 4.1557,

374.7519, 261.2134

0.0000

366.8276,  
440.6753, 314.9967

0.6267, 1.7611,  
0.0000

0.0000, 0.4627,  
0.0000

64.5357, 85.6902,  
43.2755

64.5357, 85.6902,  
43.2755

59.0333, 83.0715,  
33.1740

70.8541, 88.6775,  
55.7668

54.3068, 80.8042,  
25.3056

78.0238, 92.0487,  
70.7835

50.3134, 78.8698,  
19.5011

86.0788, 95.8184,  
88.4555

47.0049, 77.2479,  
15.5652

95.0500, 100.0000,  
108.9000

■ 44.3254, 75.9147,  
13.2652

■ 42.1902, 74.8349,  
12.2210

■ 42.1900, 74.8348,  
12.2209

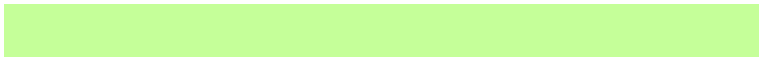
# Harmonies

## Analogous

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



76.7839, 85.6902, 33.5412



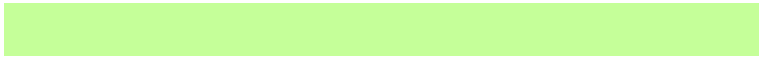
64.5357, 85.6902, 43.2755



57.4506, 85.6902, 67.4848

# Triad

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



64.5357, 85.6902, 43.2755



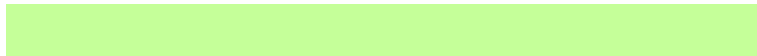
71.8463, 85.6902, 193.1867



113.0772, 85.6902, 80.3387

# Complementary

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



64.5357, 85.6902, 43.2755



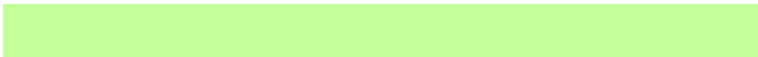
56.3064, 43.8527, 100.1045

# Split Complementary

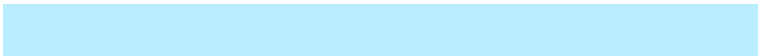
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3356, 85.6902, 124.9841



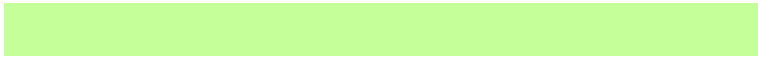
64.5357, 85.6902, 43.2755



86.2930, 85.6902, 199.8053

# Square

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



64.5357, 85.6902, 43.2755



61.3006, 85.6902, 155.8862



101.0788, 85.6902, 171.9024

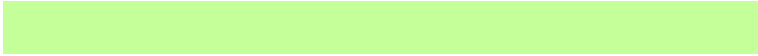


105.5822, 85.6902, 50.2110



# Rectangle

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



64.5357, 85.6902, 43.2755



56.0336, 85.6902, 92.6667



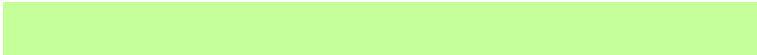
101.0788, 85.6902, 171.9024



113.5714, 85.6902, 93.9403

# Sweetspot

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



64.5361, 85.6904, 43.2768



84.3945, 95.0315, 84.7006



70.2349, 70.0499, 39.9575



17.8328, 20.2326, 17.6175



0.0000, 0.0000, 0.0000

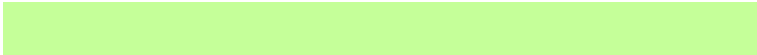


20.3446, 21.4041, 23.3091

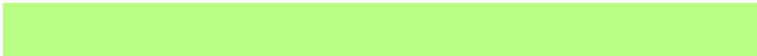


# Same Dimension

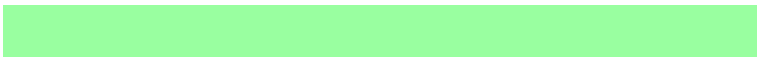
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5361, 85.6904, 43.2768



60.0699, 83.5663, 35.0096



55.2254, 80.8238, 45.8572



18.5147, 20.5512, 19.1353



22.2085, 39.1870, 6.3933



2.2846, 3.8785, 0.6282



# Inverse Universe

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



56.3064, 43.8527, 100.1045



50.7946, 36.4704, 98.9701



69.6061, 50.8332, 95.1130



17.9918, 17.8875, 22.7543



15.7078, 7.0081, 49.9594

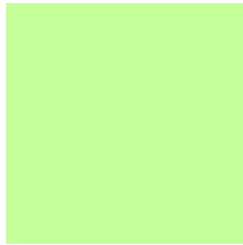


1.6547, 0.7469, 4.8702



# Previews

## White Background



This preview shows how the XYZ color 64.5357, 85.6902, 43.2755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

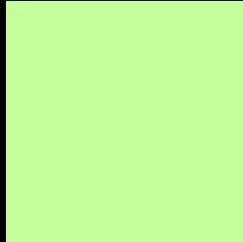
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5357, 85.6902, 43.2755 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

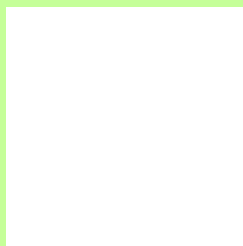
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.5357, 85.6902, 43.2755**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5357, 85.6902, 43.2755.



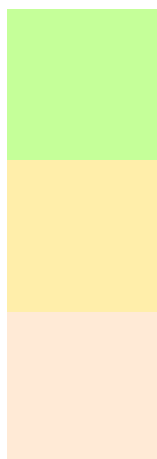
This preview shows how white text looks on a background with the XYZ color 64.5357, 85.6902,

43.2755.

# 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

64.5357, 85.6902, 43.2755

### Protanopia

79.0702, 85.3114, 50.3295

### Deuteranopia

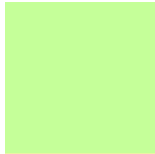
82.8004, 84.9607, 75.6533



## **Tritanopia**

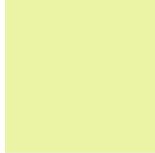
79.0205, 85.3462, 106.9164

# Trichromacy



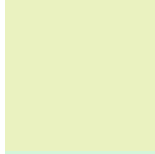
## Original Color

64.5357, 85.6902, 43.2755



## Protanomaly

72.9832, 84.8741, 47.6577



## Deuteranomaly

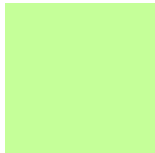
75.1982, 84.8025, 62.2743



## Tritanomaly

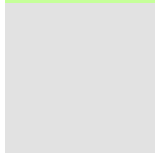
72.7620, 84.9705, 78.8957

# Monochromacy



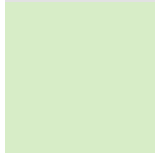
## Original Color

64.5357, 85.6902, 43.2755



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

68.6173, 79.1390, 65.6917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5357, 85.6902, 43.2755 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(197, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5357, 85.6902, 43.2755 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(197, 255, 153) }
```



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

```
.border{ border-color:rgb(197, 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(197, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5357, 85.6902, 43.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 153) }
```

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

```
.background{ background-color: rgb(197,  
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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