

Converting Colors

XYZ(74.9499, 100.0000,
56.6544)

Have a look what the booklet for
XYZ(74.9499, 100.0000, 56.6544)
contains.

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Color

**XYZ(68.7733, 87.6337,
54.3646)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFB0
RGB	205, 255, 176
RGB Percent	80%, 100%, 69%
CMY	0.1961, 0.0000, 0.3098
CMYK	0.20, 0.00, 0.31, 0.00
HSL	98°, 100%, 85%
HSV	98°, 31%, 100%
XYZ	68.7733, 87.6337, 54.3646
YIQ	231.0440, -4.4410, -35.1690

Conversions

Conversions Part 2

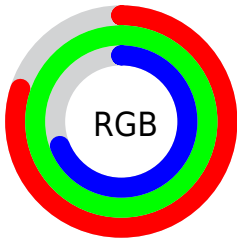
Format	Color
R _{YB}	176, 255, 226
Decimal	13500336
CIE Lab	95.01, -29.60, 32.73
CIE LCh	95, 44.123, 132.126
Yxy	87.6337, 0.3263, 0.4158
Android (android.graphics.Color)	4291690416 (0xFFCDDFB0)
YUV	231.0440, -27.1367, -22.8406
Hunter-Lab	93.6129, -32.6864, 31.0970

Details

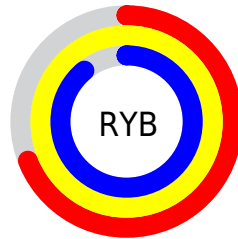
The XYZ color **68.7733, 87.6337, 54.3646** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.9405, 54.4407, 101.6931**, and the grayscale version is **76.1859, 80.1535, 87.2872**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **36.3469, 48.3023, 26.1465** is the 20% darker color. If you saturate the color by 10%, you get **62.2574, 84.5393, 42.1032**, and if you desaturate by 10%, it is **76.2234, 91.1549, 69.1461**.

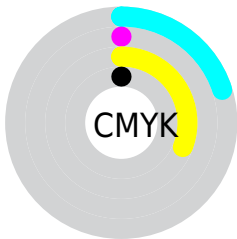
Distribution



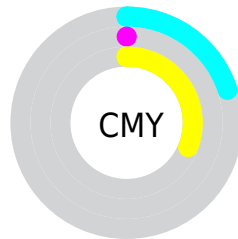
- Red (80%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7733, 87.6337, 54.3646 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 68.7733, 87.6337, 54.3646 by changing the saturation by 10% instead.


 68.7733, 87.6337,
54.3646

 68.7733, 87.6337,
54.3646


445.5649,
520.3029, 420.7127

 50.8031, 66.0198,
38.4981


 116.4936,
144.0471, 98.0712

 36.2723, 48.2884,
26.0647


146.9743,
179.6153, 126.7483

 24.8157, 34.0554,
16.6458


182.3560,
220.6037, 160.5327

 16.0678, 22.9361,
9.8230


223.0038,
267.3968, 199.8429

 9.6633, 14.5464,
5.1777

269.2833,
320.3788, 245.0974

 5.2368, 8.5016,
2.2913

321.5597,

 2.4231, 4.4176,

379.9343, 296.7149

0.7264

380.1985,
446.4475, 355.1138

■ 0.8566, 1.9098,
0.0000

■ 0.0000, 0.5542,
0.0000

■ 68.7733, 87.6337,
54.3646

■ 68.7733, 87.6337,
54.3646

■ 62.2574, 84.5393,
42.1032

■ 76.2234, 91.1549,
69.1461

■ 56.6339, 81.8533,
32.2172

■ 84.6440, 95.1189,
86.5735

■ 51.8595, 79.5566,
24.5534

■ 94.0713, 99.5416,
106.7690

■ 47.8861, 77.6284,
18.9389

■ 95.0500, 100.0000,
108.9000

■ 44.6600, 76.0453,
15.1754

■ 42.1189, 74.7803,
13.0249

■ 40.3357, 73.8788,
12.1341

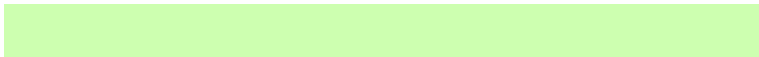
Harmonies

Analogous

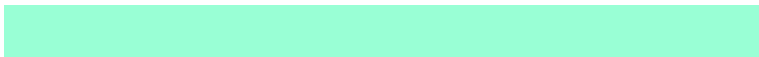
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5461, 87.6337, 44.3475



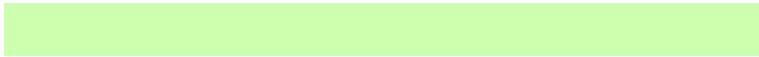
68.7733, 87.6337, 54.3646



63.2310, 87.6337, 76.5622

Triad

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



68.7733, 87.6337, 54.3646



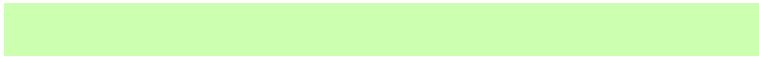
76.4189, 87.6337, 173.0148



107.9143, 87.6337, 82.2164

Complementary

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



68.7733, 87.6337, 54.3646



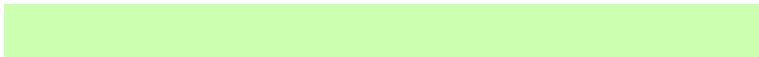
64.9405, 54.4407, 101.6931

Split Complementary

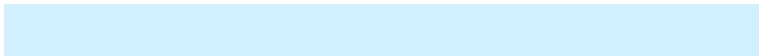
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.2050, 87.6337, 117.1407



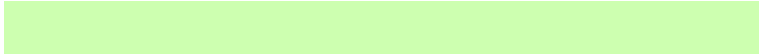
68.7733, 87.6337, 54.3646



88.2279, 87.6337, 175.5746

Square

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



68.7733, 87.6337, 54.3646



67.3450, 87.6337, 146.8816



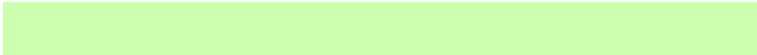
99.7252, 87.6337, 153.2099



101.5791, 87.6337, 57.6449

Rectangle

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



68.7733, 87.6337, 54.3646



62.3229, 87.6337, 97.8869



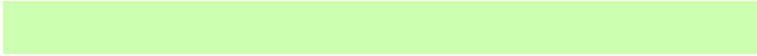
99.7252, 87.6337, 153.2099



108.5075, 87.6337, 92.9914

Sweetspot

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



68.7738, 87.6339, 54.3659



86.4291, 95.9574, 90.3475



75.9257, 78.0926, 52.1473



18.2177, 20.4065, 18.7420



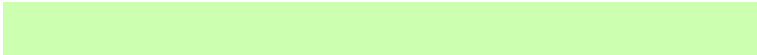
0.0000, 0.0000, 0.0000



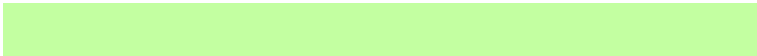
20.3446, 21.4041, 23.3091

Same Dimension

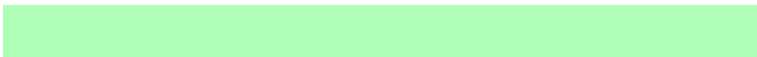
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7738, 87.6339, 54.3659



64.7413, 85.7208, 46.6902



62.4452, 84.2624, 58.9933



18.4012, 20.4927, 19.1300



21.2259, 38.6804, 6.3474



2.1819, 3.8256, 0.6234

Inverse Universe

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



64.9405, 54.4407, 101.6931



60.3600, 47.8604, 100.6644



73.3672, 58.9522, 94.5268



18.1083, 17.9476, 22.7598



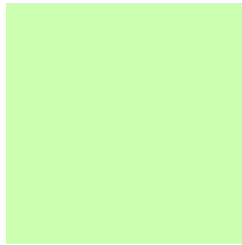
17.3232, 7.8409, 50.0350



1.8070, 0.8255, 4.8774

Previews

White Background



This preview shows how the XYZ color 68.7733, 87.6337, 54.3646 looks on a white background.

Color Contrast Check

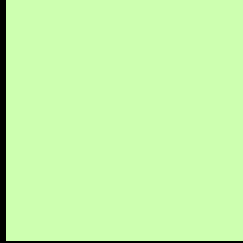
Large Text (above 18pt) WCAG AA × Fail

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 68.7733, 87.6337, 54.3646 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

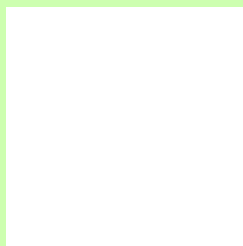
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7733, 87.6337, 54.3646

Background



This preview shows how black text looks on a background with the XYZ color 68.7733, 87.6337, 54.3646.



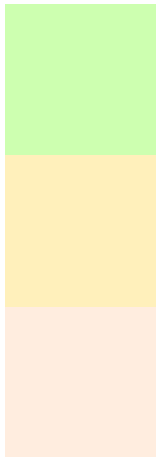
This preview shows how white text looks on a background with the XYZ color 68.7733, 87.6337,

54.3646.

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

68.7733, 87.6337, 54.3646

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

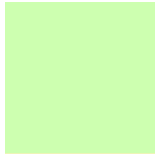
84.8435, 87.1561, 82.1631



Tritanopia

81.4807, 87.0552, 107.1166

Trichromacy



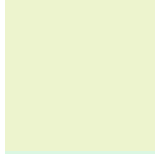
Original Color

68.7733, 87.6337, 54.3646



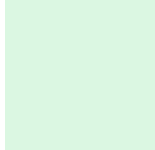
Protanomaly

76.1247, 86.7282, 57.5278



Deuteranomaly

78.4163, 87.1621, 71.0835



Tritanomaly

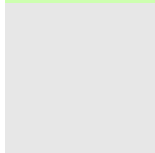
76.2016, 87.0726, 84.7419

Monochromacy



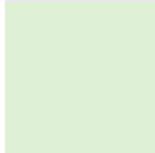
Original Color

68.7733, 87.6337, 54.3646



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0422, 82.5529, 73.7126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7733, 87.6337, 54.3646 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(205, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 176)  
}
```

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(205, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 68.7733, 87.6337, 54.3646 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(205, 255, 176) }
```


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

```
.border{ border-color:rgb(205, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(205, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7733, 87.6337, 54.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 176) }
```

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

```
.background{ background-color: rgb(205,  
255, 176) }
```

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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