

Converting Colors

XYZ(78.6918, 113.1187,
58.3373)

Have a look what the booklet for
XYZ(78.6918, 113.1187, 58.3373)
contains.

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Color

**XYZ(64.9837, 85.6915,
53.6726)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFAF
RGB	191, 255, 175
RGB Percent	75%, 100%, 69%
CMY	0.2510, 0.0000, 0.3137
CMYK	0.25, 0.00, 0.31, 0.00
HSL	108°, 100%, 84%
HSV	108°, 31%, 100%
XYZ	64.9837, 85.6915, 53.6726
YIQ	226.7440, -12.4640, -38.4480

Conversions

Conversions Part 2

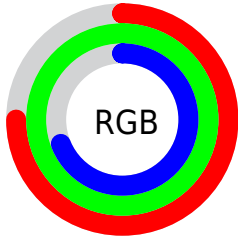
Format	Color
RYB	175, 255, 239
Decimal	12582831
CIELab	94.18, -34.44, 31.98
CIElCh	94, 46.993, 137.121
Yxy	85.6915, 0.3180, 0.4193
Android (android.graphics.Color)	4290772911 (0xFFBFFFAF)
YUV	226.7440, -25.5098, -31.3475
Hunter-Lab	92.5697, -36.6904, 30.4220

Details

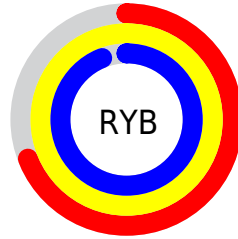
The XYZ color **64.9837, 85.6915, 53.6726** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **68.9777, 56.2320, 101.8261**, and the grayscale version is **73.0131, 76.8155, 83.6521**.

A 20% lighter version of the original color is **89.2507, 97.4293, 89.7030**, and **33.8603, 47.0275, 25.7050** is the 20% darker color. If you saturate the color by 10%, you get **57.9327, 82.3191, 41.4804**, and if you desaturate by 10%, it is **73.2232, 89.6219, 68.3915**.

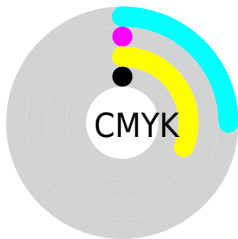
Distribution



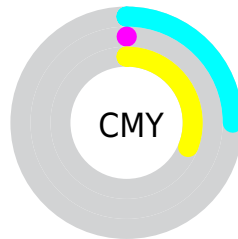
- Red (75%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (94%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9837, 85.6915, 53.6726 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 64.9837, 85.6915, 53.6726 by changing the saturation by 10% instead.

64.9837, 85.6915,
53.6726

64.9837, 85.6915,
53.6726

432.2795,
513.9134, 417.9996

47.7125, 64.4129,
37.9486

111.0923,
141.3389, 97.0449

33.8096, 46.9852,
25.6413

140.6603,
176.4765, 125.5303

22.9095, 33.0239,
16.3321

175.0581,
217.0025, 159.1065

14.6471, 22.1448,
9.6026

214.6509,
263.3014, 198.1922

8.6568, 13.9633,
5.0341

259.8041,
315.7576, 243.2057

4.5733, 8.0952,
2.2082

310.8830,

2.0313, 4.1559,

374.7554, 294.5658

0.6791

368.2530,
440.6792, 352.6909

0.6515, 1.7611,
0.0000

0.0000, 0.4628,
0.0000

64.9837, 85.6915,
53.6726

64.9837, 85.6915,
53.6726

57.9327, 82.3191,
41.4804

73.2232, 89.6219,
68.3915

52.0128, 79.4783,
31.6691

82.7022, 94.1338,
85.7641

47.1636, 77.1414,
24.0841

93.4700, 99.2500,
105.9135

43.3186, 75.2777,
18.5507

95.0500, 100.0000,
108.9000

■ 40.4030, 73.8531,
14.8684

■ 38.3307, 72.8285,
12.7963

■ 37.1250, 72.2237,
11.9839

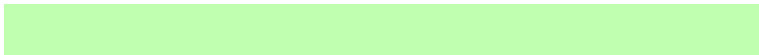
Harmonies

Analogous

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



74.5350, 85.6915, 41.5405



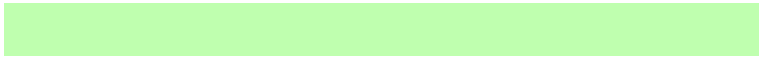
64.9837, 85.6915, 53.6726



60.0782, 85.6915, 78.7046

Triad

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



64.9837, 85.6915, 53.6726



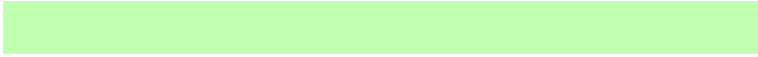
76.1760, 85.6915, 178.3911



106.8075, 85.6915, 74.3678

Complementary

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



64.9837, 85.6915, 53.6726



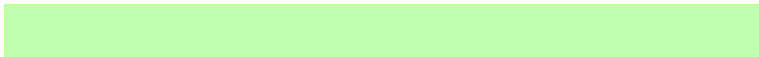
68.9777, 56.2320, 101.8261

Split Complementary

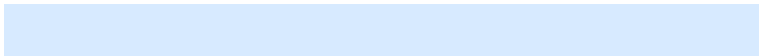
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.3632, 85.6915, 109.6045



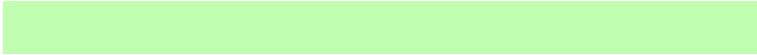
64.9837, 85.6915, 53.6726



88.7741, 85.6915, 176.3558

Square

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



64.9837, 85.6915, 53.6726



66.0782, 85.6915, 153.7977



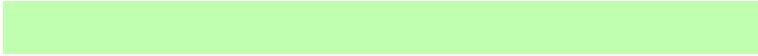
100.4800, 85.6915, 148.7967



99.0317, 85.6915, 51.2051

Rectangle

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



64.9837, 85.6915, 53.6726



59.7345, 85.6915, 102.1526



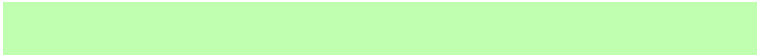
100.4800, 85.6915, 148.7967



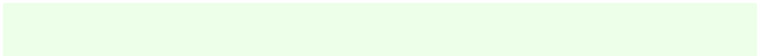
107.8712, 85.6915, 84.9808

Sweetspot

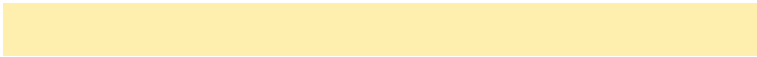
The Sweet Spot groups the original color and five complimentary colors.



64.9842, 85.6917, 53.6739



85.1374, 95.2916, 90.2871



79.8448, 86.0886, 52.9673



17.9013, 20.2434, 18.7272



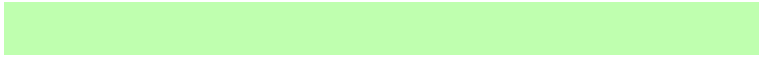
0.0000, 0.0000, 0.0000



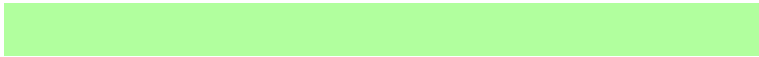
20.3446, 21.4041, 23.3091

Same Dimension

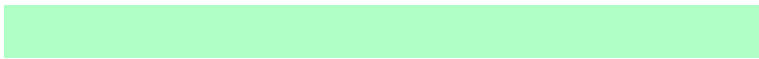
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9842, 85.6917, 53.6739



60.1808, 83.3955, 45.3180



63.7488, 84.7579, 67.0339



18.1107, 20.3430, 19.1164



19.4938, 37.7875, 6.2663



1.9816, 3.7223, 0.6140

Inverse Universe

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



68.9777, 56.2320, 101.8261



64.7605, 49.4760, 100.7443



70.9944, 57.6905, 82.9955



18.4159, 18.1061, 22.7742



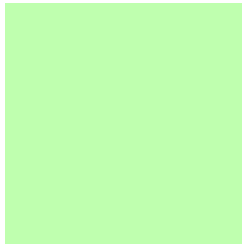
22.5690, 10.5452, 50.2805



2.2836, 1.0712, 4.8997

Previews

White Background



This preview shows how the XYZ color 64.9837, 85.6915, 53.6726 looks on a white background.

Color Contrast Check

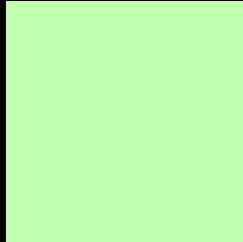
Large Text (above 18pt) WCAG AA × Fail

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 64.9837, 85.6915, 53.6726 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 64.9837, 85.6915, 53.6726

Background



This preview shows how black text looks on a background with the XYZ color 64.9837, 85.6915, 53.6726.



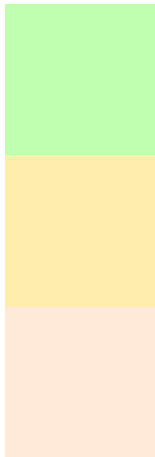
This preview shows how white text looks on a background with the XYZ color 64.9837, 85.6915,

53.6726.

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

64.9837, 85.6915, 53.6726

Protanopia

79.0670, 84.8455, 51.7447

Deuteranopia

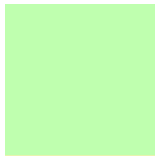
83.1872, 85.1154, 77.6901



Tritanopia

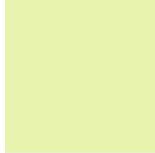
78.4174, 85.4760, 106.9732

Trichromacy



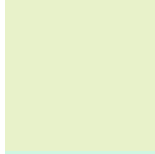
Original Color

64.9837, 85.6915, 53.6726



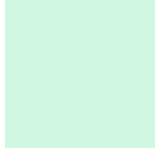
Protanomaly

73.2694, 84.9132, 52.5726



Deuteranomaly

75.6915, 84.9243, 68.2798



Tritanomaly

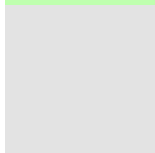
73.0007, 85.4224, 84.5921

Monochromacy



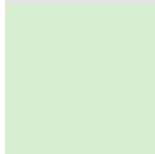
Original Color

64.9837, 85.6915, 53.6726



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.4009, 79.4186, 71.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9837, 85.6915, 53.6726 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(191, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 175)  
}
```

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(191, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 64.9837, 85.6915, 53.6726 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(191, 255, 175) }
```


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

```
.border{ border-color:rgb(191, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9837, 85.6915, 53.6726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 175) }
```

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

```
.background{ background-color: rgb(191,  
255, 175) }
```

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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