

Converting Colors

XYZ(66.0663, 86.4942, 42.6711)

Have a look what the booklet for
XYZ(66.0663, 86.4942, 42.6711)
contains.

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Color

**XYZ(65.9745, 86.4509,
42.4876)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFF97
RGB	203, 255, 151
RGB Percent	80%, 100%, 59%
CMY	0.2039, 0.0000, 0.4078
CMYK	0.20, 0.00, 0.41, 0.00
HSL	90°, 100%, 80%
HSV	90°, 41%, 100%
XYZ	65.9745, 86.4509, 42.4876
YIQ	227.5960, 2.3920, -43.3680

Conversions

Conversions Part 2

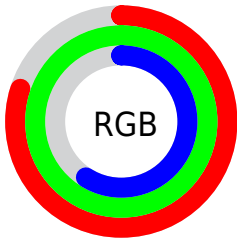
Format	Color
RYB	151, 255, 203
Decimal	13369239
CIELab	94.50, -33.61, 44.38
CIELCh	95, 55.666, 127.138
Yxy	86.4509, 0.3385, 0.4435
Android (android.graphics.Color)	4291559319 (0xFFCBBFF97)
YUV	227.5960, -37.7618, -21.5707
Hunter-Lab	92.9790, -36.0561, 37.9922

Details

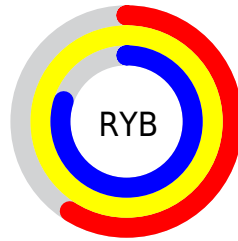
The XYZ color **65.9745, 86.4509, 42.4876** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.7464, 42.0510, 99.8917**, and the grayscale version is **73.7129, 77.5517, 84.4539**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **34.4313, 47.4731, 18.9038** is the 20% darker color. If you saturate the color by 10%, you get **60.7916, 83.9929, 32.5791**, and if you desaturate by 10%, it is **71.8916, 89.2355, 54.7707**.

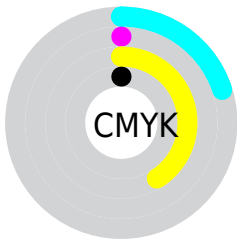
Distribution



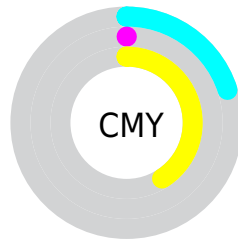
- Red (80%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9745, 86.4509, 42.4876 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 65.9745, 86.4509, 42.4876 by changing the saturation by 10% instead.


 65.9745, 86.4509,
42.4876


 65.9745, 86.4509,
42.4876


435.7758,
516.4168, 372.3594

 48.5193, 65.0409,
29.1549


 112.5077,
142.3985, 80.2151

 34.4513, 47.4942,
18.9514


 142.3164,
177.7050, 105.4469

 23.4050, 33.4265,
11.4587


176.9736,
218.4123, 135.4822

 15.0152, 22.4534,
6.2582

216.8448,
264.9050, 170.7395

 8.9164, 14.1904,
2.9314

262.2953,
317.5674, 211.6373

 4.7434, 8.2532,
1.0597

313.6903,

 2.1307, 4.2574,

376.7839, 258.5942

0.0000

371.3954,
442.9389, 312.0287

0.7058, 1.8186,
0.0000

0.0000, 0.4987,
0.0000

65.9745, 86.4509,
42.4876

65.9745, 86.4509,
42.4876

60.7916, 83.9929,
32.5791

71.8916, 89.2355,
54.7707

56.3059, 81.8460,
24.8876

78.5750, 92.3604,
69.5649

52.4780, 79.9937,
19.2422

86.0561, 95.8389,
87.0006

49.2631, 78.4171,
15.4456

94.3637, 99.6831,
107.1982

■ 46.6088, 77.0943, 95.0500, 100.0000,
13.2614 108.9000

■ 44.5866, 76.0703,
12.3331

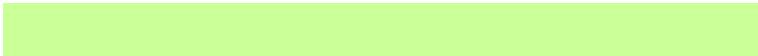
Harmonies

Analogous

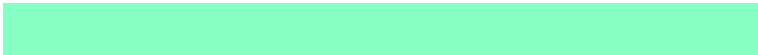
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6411, 86.4509, 33.7037



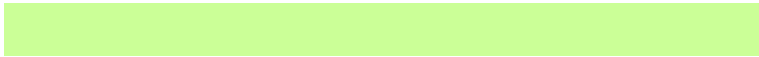
65.9745, 86.4509, 42.4876



58.3794, 86.4509, 65.5763

Triad

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



65.9745, 86.4509, 42.4876



71.4768, 86.4509, 192.4588



114.1975, 86.4509, 84.2462

Complementary

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



65.9745, 86.4509, 42.4876



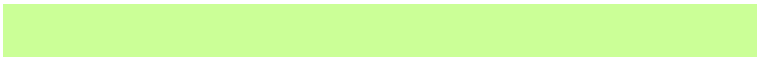
53.7464, 42.0510, 99.8917

Split Complementary

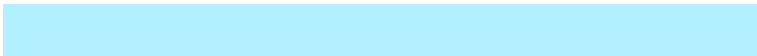
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6758, 86.4509, 129.9617



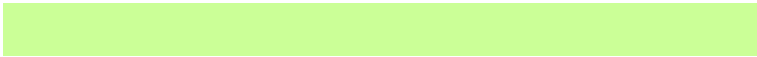
65.9745, 86.4509, 42.4876



85.8009, 86.4509, 202.0242

Square

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



65.9745, 86.4509, 42.4876



61.2762, 86.4509, 153.2451



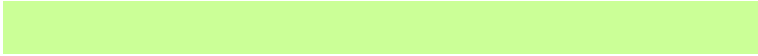
100.8178, 86.4509, 176.4118



107.3410, 86.4509, 52.5884

Rectangle

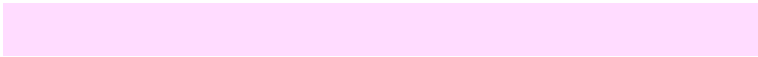
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9745, 86.4509, 42.4876



56.6239, 86.4509, 90.0702



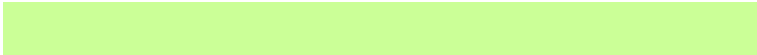
100.8178, 86.4509, 176.4118



114.4309, 86.4509, 98.3107

Sweetspot

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



65.9748, 86.4510, 42.4889



85.1022, 95.3963, 84.7337



68.1824, 66.2070, 38.4650



17.9991, 20.3183, 17.6253



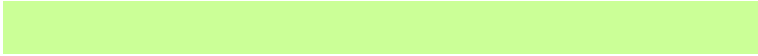
0.0000, 0.0000, 0.0000



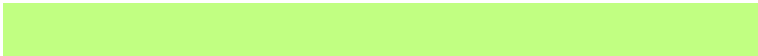
20.3446, 21.4041, 23.3091

Same Dimension

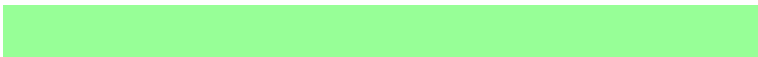
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9748, 86.4510, 42.4889



61.6637, 84.4080, 34.1790



54.1092, 80.3340, 41.9336



18.6369, 20.6143, 19.1410



23.4696, 39.8371, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



53.7464, 42.0510, 99.8917



47.9111, 34.4739, 98.7367



70.3571, 50.6141, 100.6690



17.8684, 17.8239, 22.7485



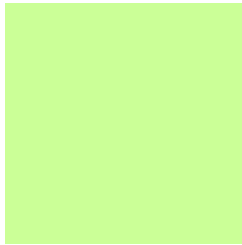
14.2163, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 65.9745, 86.4509, 42.4876 looks on a white background.

Color Contrast Check

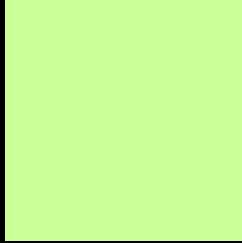
Large Text (above 18pt) WCAG AA × Fail

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 65.9745, 86.4509, 42.4876 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

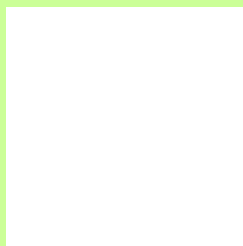
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9745, 86.4509, 42.4876

Background



This preview shows how black text looks on a background with the XYZ color 65.9745, 86.4509, 42.4876.



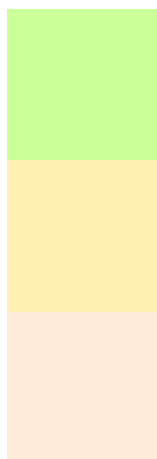
This preview shows how white text looks on a background with the XYZ color 65.9745, 86.4509,

42.4876.

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

65.9745, 86.4509, 42.4876

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

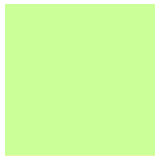
83.4727, 85.6864, 77.7853



Tritanopia

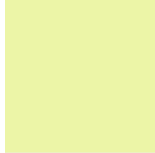
80.5566, 86.1381, 106.9883

Trichromacy



Original Color

65.9745, 86.4509, 42.4876



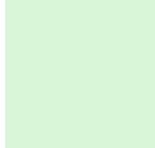
Protanomaly

74.2195, 85.9277, 49.2331



Deuteranomaly

75.9698, 85.1874, 62.8908



Tritanomaly

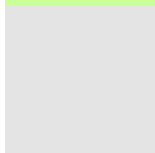
74.0954, 85.6730, 78.2769

Monochromacy



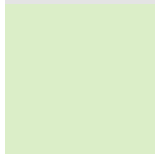
Original Color

65.9745, 86.4509, 42.4876



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2133, 80.3793, 66.4577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9745, 86.4509, 42.4876 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(203, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 151)  
}
```

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(203, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 65.9745, 86.4509, 42.4876 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(203, 255, 151) }
```


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

```
.border{ border-color:rgb(203, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9745, 86.4509, 42.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 151) }
```

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

```
.background{ background-color: rgb(203,  
255, 151) }
```

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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