

Converting Colors

XYZ(65.9148, 86.5164, 38.1330)

Have a look what the booklet for
XYZ(65.9148, 86.5164, 38.1330)
contains.

XYZ(65.9472, 86.5353, 38.0381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.9472, 86.5353,
38.0381)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFF8C
RGB	206, 255, 140
RGB Percent	81%, 100%, 55%
CMY	0.1922, 0.0000, 0.4510
CMYK	0.19, 0.00, 0.45, 0.00
HSL	86°, 100%, 77%
HSV	86°, 45%, 100%
XYZ	65.9472, 86.5353, 38.0381
YIQ	227.2390, 7.7110, -46.1530

Conversions

Conversions Part 2

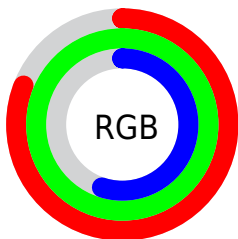
Format	Color
RYB	140, 255, 189
Decimal	13565836
CIELab	94.54, -33.82, 49.73
CIELCh	95, 60.141, 124.222
Yxy	86.5353, 0.3461, 0.4542
Android (android.graphics.Color)	4291755916 (0xFFCEFF8C)
YUV	227.2390, -43.0088, -18.6266
Hunter-Lab	93.0244, -36.2497, 40.8731

Details

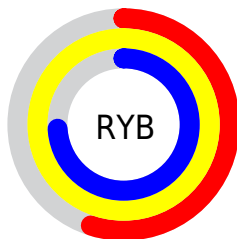
The XYZ color **65.9472, 86.5353, 38.0381** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.4156, 36.7963, 99.1584**, and the grayscale version is **73.4865, 77.3135, 84.1944**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **34.4921, 47.5603, 16.3790** is the 20% darker color. If you saturate the color by 10%, you get **61.3664, 84.3664, 29.1201**, and if you desaturate by 10%, it is **71.1727, 88.9861, 49.2627**.

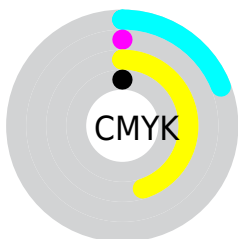
Distribution



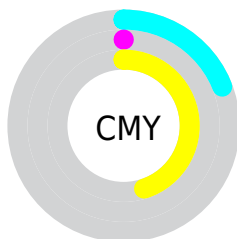
- Red (81%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (74%)



- Cyan (19%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9472, 86.5353, 38.0381 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 65.9472, 86.5353, 38.0381 by changing the saturation by 10% instead.


 65.9472, 86.5353,
38.0381


 65.9472, 86.5353,
38.0381


435.6796,
516.6946, 353.0865

 48.4971, 65.1107,
25.7102


 112.4687,
142.5162, 73.3706

 34.4336, 47.5509,
16.3831


 142.2708,
177.8414, 97.2123

 23.3914, 33.4713,
9.6384


176.9209,
218.5689, 125.7290

 15.0050, 22.4878,
5.0574

216.7845,
265.0830, 159.3392

 8.9093, 14.2157,
2.2217

262.2267,
317.7683, 198.4615

 4.7387, 8.2709,
0.6868

313.6131,

 2.1279, 4.2688,

377.0091, 243.5145

0.0000

371.3090,
443.1897, 294.9166

0.7043, 1.8250,
0.0000

0.0000, 0.5027,
0.0000

65.9472, 86.5353,
38.0381

65.9472, 86.5353,
38.0381

61.3664, 84.3664,
29.1201

71.1727, 88.9861,
49.2627

57.3950, 82.4649,
22.3442

77.0739, 91.7317,
62.9358

53.9943, 80.8148,
17.5297

83.6804, 94.7845,
79.1921

51.1197, 79.3978,
14.4650

91.0193, 98.1557,
98.1556

■ 48.7171, 78.1916,
12.8890

95.0500, 100.0000,
108.9000

■ 47.6755, 77.6626,
12.4776

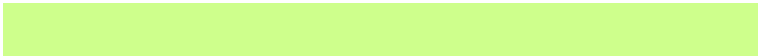
Harmonies

Analogous

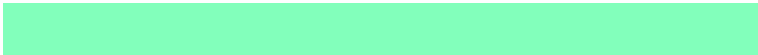
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9777, 86.5353, 30.3244



65.9472, 86.5353, 38.0381



57.2703, 86.5353, 60.5109

Triad

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



65.9472, 86.5353, 38.0381



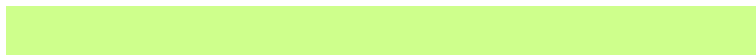
69.4343, 86.5353, 199.5289



117.3840, 86.5353, 87.8072

Complementary

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



65.9472, 86.5353, 38.0381



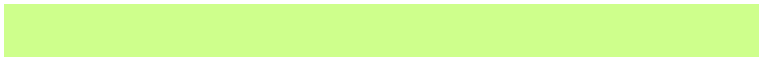
48.4156, 36.7963, 99.1584

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.



113.6036, 86.5353, 138.5805



65.9472, 86.5353, 38.0381



84.5634, 86.5353, 214.1093

Square

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



65.9472, 86.5353, 38.0381



59.0905, 86.5353, 153.8160



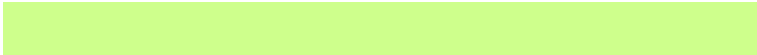
101.0380, 86.5353, 188.8953



110.7836, 86.5353, 52.4337

Rectangle

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



65.9472, 86.5353, 38.0381



54.9907, 86.5353, 85.5241



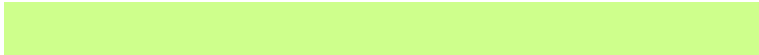
101.0380, 86.5353, 188.8953



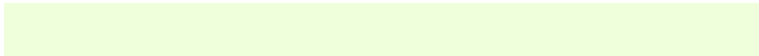
117.2906, 86.5353, 103.4910

Sweetspot

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



65.9474, 86.5353, 38.0393



84.4491, 95.1385, 81.1377



63.9397, 59.0852, 32.8467



17.7537, 20.2153, 16.5542



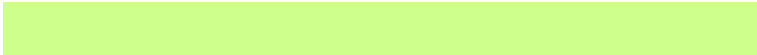
0.0000, 0.0000, 0.0000



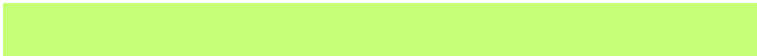
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9474, 86.5353, 38.0393



61.8385, 84.5910, 29.9907



52.9955, 79.8584, 37.4332



18.7698, 20.6828, 19.1472



25.0858, 40.6703, 6.5280



2.5675, 4.0244, 0.6415

Inverse Universe

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



48.4156, 36.7963, 99.1584



42.3449, 29.2397, 98.0197



65.2304, 45.4646, 99.9453



17.7368, 17.7561, 22.7424



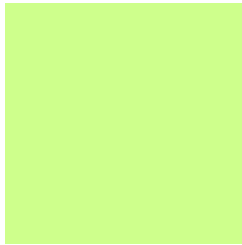
12.8671, 5.5437, 49.8265



1.3747, 0.6026, 4.8571

Previews

White Background



This preview shows how the XYZ color 65.9472, 86.5353, 38.0381 looks on a white background.

Color Contrast Check

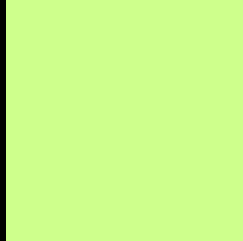
Large Text (above 18pt) WCAG AA × Fail

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 65.9472, 86.5353, 38.0381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

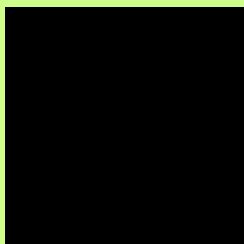
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

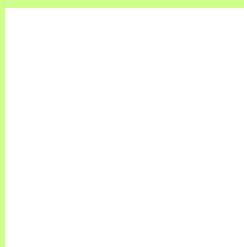
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9472, 86.5353, 38.0381

Background



This preview shows how black text looks on a background with the XYZ color 65.9472, 86.5353, 38.0381.

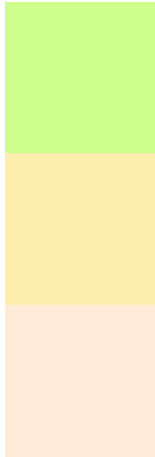


This preview shows how white text looks on a background with the XYZ color 65.9472, 86.5353,

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

65.9472, 86.5353, 38.0381

Protanopia

79.8444, 86.0881, 52.9659

Deuteranopia

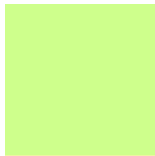
83.3430, 85.6345, 77.1022



Tritanopia

81.1839, 86.4615, 107.0176

Trichromacy



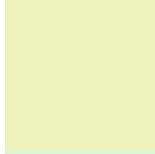
Original Color

65.9472, 86.5353, 38.0381



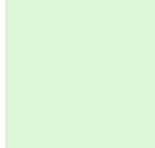
Protanomaly

74.0990, 85.9180, 46.8608



Deuteranomaly

75.7543, 85.1396, 60.0179



Tritanomaly

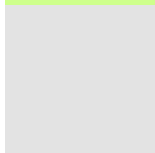
74.1794, 85.7757, 75.5975

Monochromacy



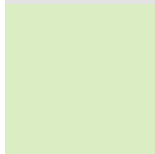
Original Color

65.9472, 86.5353, 38.0381



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.3479, 79.5686, 63.3330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9472, 86.5353, 38.0381 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(206, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 140)  
}
```

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(206, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 65.9472, 86.5353, 38.0381 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(206, 255, 140) }
```


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

```
.border{ border-color:rgb(206, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9472, 86.5353, 38.0381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 140) }
```

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

```
.background{ background-color: rgb(206,  
255, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor