

Converting Colors

XYZ(120.0269, 192.1994,
72.5460)

Have a look what the booklet for
XYZ(120.0269, 192.1994, 72.5460)
contains.

XYZ(67.2490, 86.8364, 54.8117)	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(67.2490, 86.8364,
54.8117)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFB1
RGB	199, 255, 177
RGB Percent	78%, 100%, 69%
CMY	0.2196, 0.0000, 0.3059
CMYK	0.22, 0.00, 0.31, 0.00
HSL	103°, 100%, 85%
HSV	103°, 31%, 100%
XYZ	67.2490, 86.8364, 54.8117
YIQ	229.3640, -8.3380, -36.1300

Conversions

Conversions Part 2

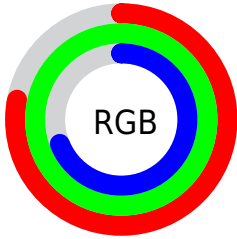
Format	Color
RYB	177, 255, 233
Decimal	13107121
CIELab	94.67, -31.48, 31.71
CIELCh	95, 44.683, 134.794
Yxy	86.8364, 0.3219, 0.4157
Android (android.graphics.Color)	4291297201 (0xFFC7FFB1)
YUV	229.3640, -25.8155, -26.6292
Hunter-Lab	93.1861, -34.2586, 30.3561

Details

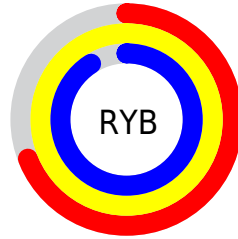
The XYZ color **67.2490, 86.8364, 54.8117** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **67.3774, 55.9892, 101.8636**, and the grayscale version is **74.9325, 78.8348, 85.8511**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **35.3338, 47.7727, 26.4275** is the 20% darker color. If you saturate the color by 10%, you get **60.3710, 83.5574, 42.4389**, and if you desaturate by 10%, it is **75.1875, 90.6072, 69.7157**.

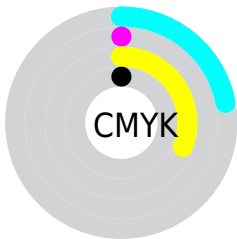
Distribution



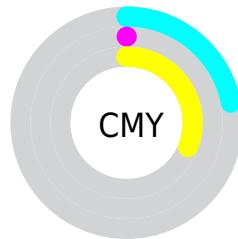
- Red (78%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2490, 86.8364, 54.8117 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 67.2490, 86.8364, 54.8117 by changing the saturation by 10% instead.


 67.2490, 86.8364,
54.8117

 67.2490, 86.8364,
54.8117


440.2491,
517.6851, 422.4596

 49.5584, 65.3598,
38.8534


 114.3250,
142.9361, 98.7334

 35.2790, 47.7529,
26.3387


144.4411,
178.3280, 127.5339

 24.0454, 33.6313,
16.8492

179.4298,
219.1271, 161.4522

 15.4922, 22.6105,
9.9662

219.6564,
265.7179, 200.9068

 9.2541, 14.3061,
5.2712

265.4863,
318.4847, 246.3163

 4.9657, 8.3339,
2.3458

317.2848,

 2.2617, 4.3093,

377.8119, 298.0992

0.7567

375.4173,
444.0839, 356.6741

■ 0.7750, 1.8481,
0.0000

■ 0.0000, 0.5169,
0.0000

■ 67.2490, 86.8364,
54.8117

■ 67.2490, 86.8364,
54.8117

■ 60.3710, 83.5574,
42.4389

■ 75.1875, 90.6072,
69.7157

■ 54.5047, 80.7482,
32.4528

■ 84.2289, 94.8889,
87.2767

■ 49.5997, 78.3861,
24.7004

■ 94.4154, 99.7006,
107.6167

■ 45.6002, 76.4461,
19.0093

■ 95.0500, 100.0000,
108.9000

■ 42.4440, 74.9005,
15.1819

■ 40.0594, 73.7174,
12.9818

■ 38.4265, 72.8947,
12.0448

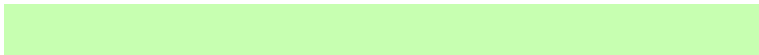
Harmonies

Analogous

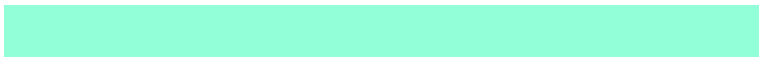
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7537, 86.8364, 43.7710



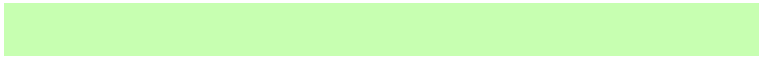
67.2490, 86.8364, 54.8117



62.1161, 86.8364, 78.1755

Triad

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



67.2490, 86.8364, 54.8117



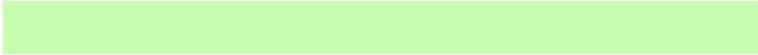
76.6001, 86.8364, 174.2249



107.0523, 86.8364, 78.5832

Complementary

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



67.2490, 86.8364, 54.8117



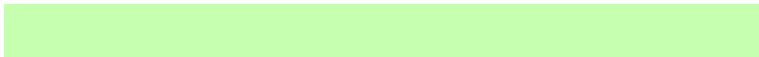
67.3774, 55.9892, 101.8636

Split Complementary

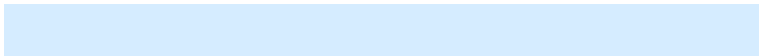
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.0009, 86.8364, 113.0650



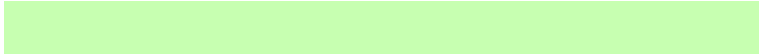
67.2490, 86.8364, 54.8117



88.6004, 86.8364, 174.4110

Square

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



67.2490, 86.8364, 54.8117



67.1460, 86.8364, 149.4960



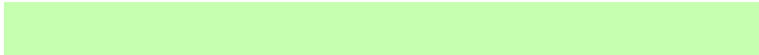
99.9787, 86.8364, 149.9556



100.1130, 86.8364, 55.0472

Rectangle

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



67.2490, 86.8364, 54.8117



61.5133, 86.8364, 100.2104



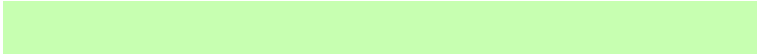
99.9787, 86.8364, 149.9556



107.8723, 86.8364, 89.1070

Sweetspot

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



67.2495, 86.8367, 54.8130



85.7683, 95.6168, 90.3166



78.2869, 82.6561, 53.4243



18.0557, 20.3230, 18.7345



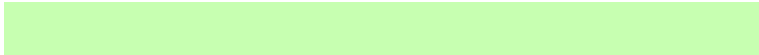
0.0000, 0.0000, 0.0000



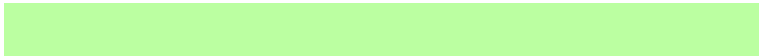
20.3446, 21.4041, 23.3091

Same Dimension

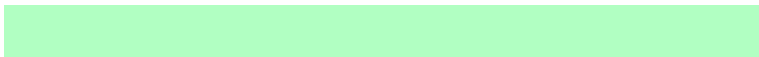
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2495, 86.8367, 54.8130



62.7195, 84.6786, 46.5955



63.6186, 84.7580, 63.9881



18.2525, 20.4161, 19.1230



20.2035, 38.1534, 6.2995



2.0684, 3.7671, 0.6181

Inverse Universe

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



67.3774, 55.9892, 101.8636



62.8524, 49.1453, 100.7811



72.4100, 58.8842, 88.5158



18.2640, 18.0278, 22.7671



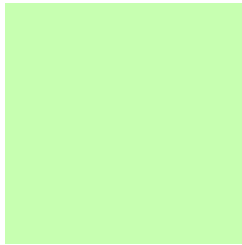
19.7989, 9.1172, 50.1509



2.0347, 0.9428, 4.8880

Previews

White Background



This preview shows how the XYZ color 67.2490, 86.8364, 54.8117 looks on a white background.

Color Contrast Check

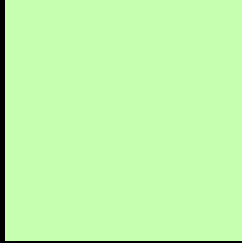
Large Text (above 18pt) WCAG AA × Fail

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 67.2490, 86.8364, 54.8117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

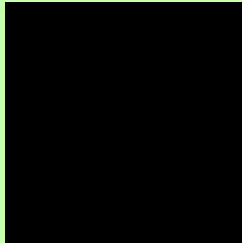
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

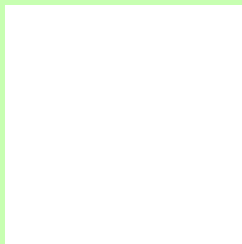
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2490, 86.8364, 54.8117

Background



This preview shows how black text looks on a background with the XYZ color 67.2490, 86.8364, 54.8117.

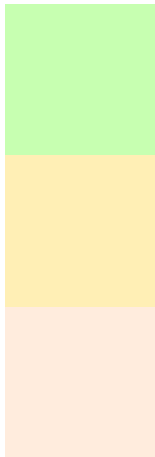


This preview shows how white text looks on a background with the XYZ color 67.2490, 86.8364,

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

67.2490, 86.8364, 54.8117

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

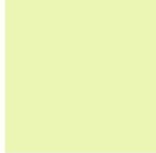
80.2336, 86.4122, 107.0582

Trichromacy



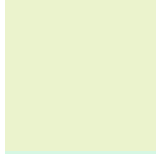
Original Color

67.2490, 86.8364, 54.8117



Protanomaly

75.1516, 86.2623, 55.8694



Deuteranomaly

77.3310, 86.1711, 70.3145



Tritanomaly

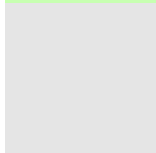
74.8574, 86.3637, 85.3975

Monochromacy



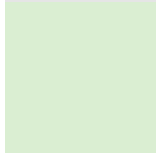
Original Color

67.2490, 86.8364, 54.8117



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1208, 80.7076, 72.8024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2490, 86.8364, 54.8117 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(199, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 177)  
}
```

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(199, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 67.2490, 86.8364, 54.8117 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(199, 255, 177) }
```


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

```
.border{ border-color:rgb(199, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2490, 86.8364, 54.8117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 177) }
```

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

```
.background{ background-color: rgb(199,  
255, 177) }
```

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