

Converting Colors

XYZ(72.2846, 96.8487, 50.6785)

Have a look what the booklet for
XYZ(72.2846, 96.8487, 50.6785)
contains.

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Color

**XYZ(67.4534, 87.0740,
48.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFA5
RGB	204, 255, 165
RGB Percent	80%, 100%, 65%
CMY	0.2000, 0.0000, 0.3529
CMYK	0.20, 0.00, 0.35, 0.00
HSL	94°, 100%, 82%
HSV	94°, 35%, 100%
XYZ	67.4534, 87.0740, 48.8491
YIQ	229.4910, -1.5060, -38.8020

Conversions

Conversions Part 2

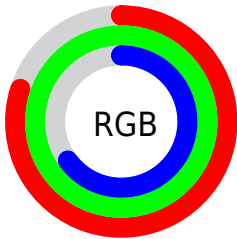
Format	Color
RYB	165, 255, 216
Decimal	13434789
CIELab	94.77, -31.47, 37.88
CIELCh	95, 49.240, 129.719
Yxy	87.0740, 0.3317, 0.4281
Android (android.graphics.Color)	4291624869 (0xFFCCFFA5)
YUV	229.4910, -31.7941, -22.3556
Hunter-Lab	93.3135, -34.2664, 34.2814

Details

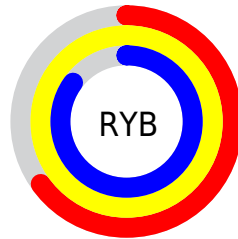
The XYZ color **67.4534, 87.0740, 48.8491** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.8251, 48.7305, 100.8605**, and the grayscale version is **75.0654, 78.9746, 86.0034**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.3315, 47.8539, 22.7038** is the 20% darker color. If you saturate the color by 10%, you get **61.5801, 84.2882, 37.6427**, and if you desaturate by 10%, it is **74.1578, 90.2348, 62.5123**.

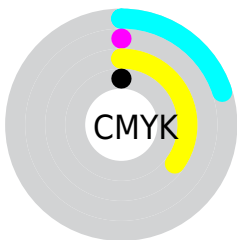
Distribution



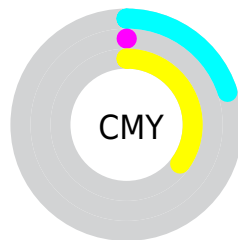
- Red (80%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (85%)



- Cyan (20%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4534, 87.0740, 48.8491 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 67.4534, 87.0740, 48.8491 by changing the saturation by 10% instead.


 67.4534, 87.0740,
48.8491


 67.4534, 87.0740,
48.8491

440.9641,
518.4660, 398.7533

 49.7252, 65.5564,
34.1350


 114.6161,
143.2673, 89.8460

 35.4120, 47.9124,
22.7192


 144.7813,
178.7118, 116.9658

 24.1484, 33.7575,
14.1829


179.8229,
219.5674, 149.0581

 15.5691, 22.7074,
8.1078

220.1062,
266.2185, 186.5412

 9.3087, 14.3776,
4.0752

265.9966,
319.0496, 229.8337

 5.0018, 8.3838,
1.6667

317.8595,

 2.2831, 4.3415,

378.4449, 279.3542

0.3378

376.0602,
444.7889, 335.5213

■ 0.7860, 1.8664,
0.0000

■ 0.0000, 0.5280,
0.0000

■ 67.4534, 87.0740,
48.8491

■ 67.4534, 87.0740,
48.8491

■ 61.5801, 84.2882,
37.6427

■ 74.1578, 90.2348,
62.5123

■ 56.4991, 81.8605,
28.7432

■ 81.7270, 93.7850,
78.7624

■ 52.1698, 79.7737,
21.9903

■ 90.1942, 97.7391,
97.7251

■ 48.5469, 78.0082,
17.2014

95.0500, 100.0000,
108.9000

■ 45.5785, 76.5421,
14.1638

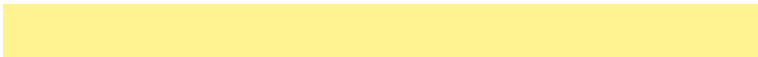
■ 43.2028, 75.3492,
12.6147

■ 42.2525, 74.8670,
12.2238

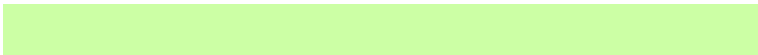
Harmonies

Analogous

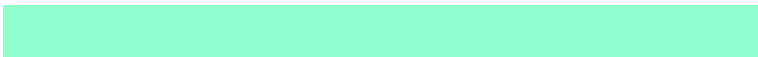
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5135, 87.0740, 39.3411



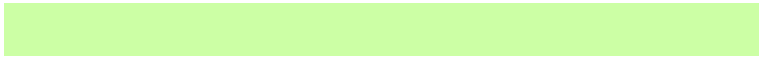
67.4534, 87.0740, 48.8491



60.9916, 87.0740, 71.5937

Triad

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



67.4534, 87.0740, 48.8491



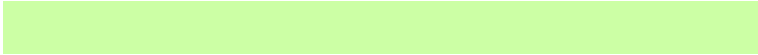
74.1991, 87.0740, 181.5711



110.6517, 87.0740, 82.9604

Complementary

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



67.4534, 87.0740, 48.8491



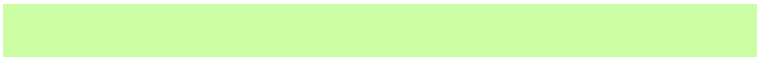
59.8251, 48.7305, 100.8605

Split Complementary

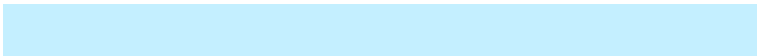
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.1777, 87.0740, 122.5673



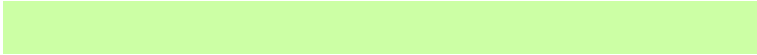
67.4534, 87.0740, 48.8491



87.1594, 87.0740, 187.0129

Square

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



67.4534, 87.0740, 48.8491



64.5867, 87.0740, 149.8142



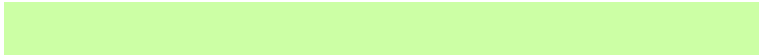
100.2257, 87.0740, 163.1412



104.0605, 87.0740, 55.2445

Rectangle

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



67.4534, 87.0740, 48.8491



59.7058, 87.0740, 94.4493



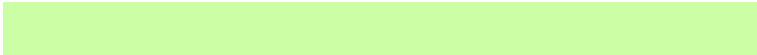
100.2257, 87.0740, 163.1412



111.0979, 87.0740, 95.1692

Sweetspot

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



67.4538, 87.0742, 48.8504



85.2502, 95.4322, 86.5640



72.5879, 73.0890, 45.8804



18.0050, 20.3133, 17.9892



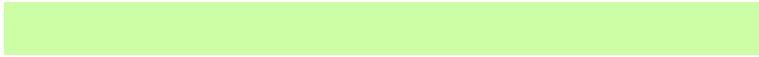
0.0000, 0.0000, 0.0000



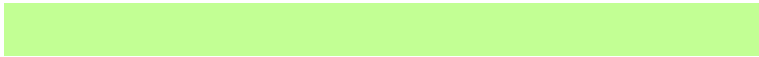
20.3446, 21.4041, 23.3091

Same Dimension

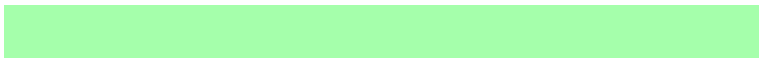
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4538, 87.0742, 48.8504



63.4249, 85.1652, 41.0712



58.6285, 82.4600, 51.3556



18.5182, 20.5530, 19.1355



22.2415, 39.2040, 6.3949



2.2880, 3.8803, 0.6284

Inverse Universe

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



59.8251, 48.7305, 100.8605



54.8031, 41.8642, 99.7999



71.7945, 55.0108, 96.4568



17.9882, 17.8857, 22.7541



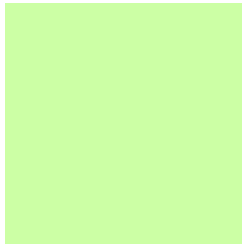
15.6618, 6.9844, 49.9572



1.6503, 0.7447, 4.8700

Previews

White Background



This preview shows how the XYZ color 67.4534, 87.0740, 48.8491 looks on a white background.

Color Contrast Check

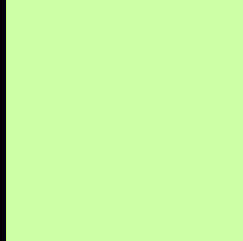
Large Text (above 18pt) WCAG AA × Fail

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 67.4534, 87.0740, 48.8491 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

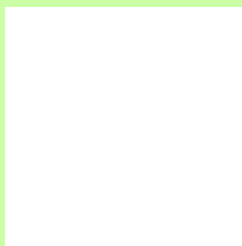
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4534, 87.0740, 48.8491

Background



This preview shows how black text looks on a background with the XYZ color 67.4534, 87.0740, 48.8491.

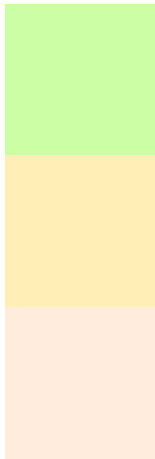


This preview shows how white text looks on a background with the XYZ color 67.4534, 87.0740,

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

67.4534, 87.0740, 48.8491

Protanopia

80.5500, 86.3704, 56.6817

Deuteranopia

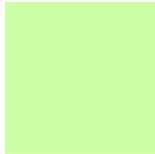
84.1537, 86.4182, 79.9552



Tritanopia

81.1662, 86.8930, 107.1019

Trichromacy



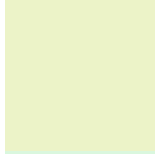
Original Color

67.4534, 87.0740, 48.8491



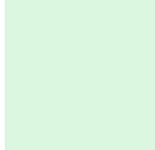
Protanomaly

75.0810, 86.2723, 53.7693



Deuteranomaly

77.0680, 86.1042, 67.2014



Tritanomaly

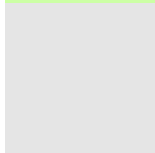
75.3590, 86.7009, 81.8703

Monochromacy



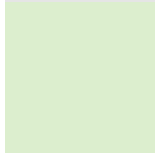
Original Color

67.4534, 87.0740, 48.8491



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2303, 80.8209, 70.2383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4534, 87.0740, 48.8491 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(204, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 165)  
}
```

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(204, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 67.4534, 87.0740, 48.8491 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(204, 255, 165) }
```


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

```
.border{ border-color:rgb(204, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4534, 87.0740, 48.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 165) }
```

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

```
.background{ background-color: rgb(204,  
255, 165) }
```

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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