

Converting Colors

XYZ(67.4396, 87.1626, 44.5246)

Have a look what the booklet for
XYZ(67.4396, 87.1626, 44.5246)
contains.

XYZ(67.4929, 87.1857, 44.7238)	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(67.4929, 87.1857,
44.7238)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFF9C
RGB	207, 255, 156
RGB Percent	81%, 100%, 61%
CMY	0.1882, 0.0000, 0.3882
CMYK	0.19, 0.00, 0.39, 0.00
HSL	89°, 100%, 81%
HSV	89°, 39%, 100%
XYZ	67.4929, 87.1857, 44.7238
YIQ	229.3620, 3.1710, -40.9650

Conversions

Conversions Part 2

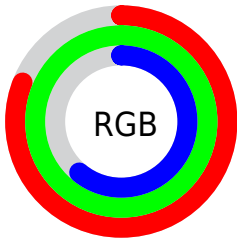
Format	Color
RYB	156, 255, 204
Decimal	13631388
CIELab	94.82, -31.58, 42.39
CIELCh	95, 52.865, 126.685
Yxy	87.1857, 0.3385, 0.4372
Android (android.graphics.Color)	4291821468 (0xFFCFFF9C)
YUV	229.3620, -36.1675, -19.6115
Hunter-Lab	93.3733, -34.3783, 36.9627

Details

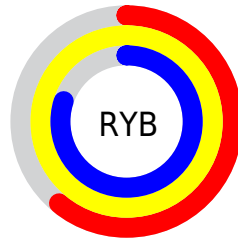
The XYZ color **67.4929, 87.1857, 44.7238** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.8415, 43.8356, 100.1784**, and the grayscale version is **74.9989, 78.9046, 85.9272**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **35.4048, 47.9467, 20.2206** is the 20% darker color. If you saturate the color by 10%, you get **62.2350, 84.6990, 34.3649**, and if you desaturate by 10%, it is **73.4754, 89.9935, 57.4850**.

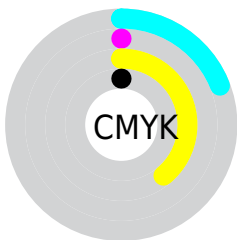
Distribution



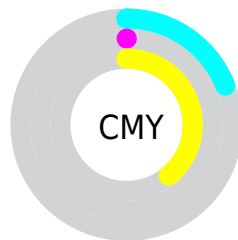
- Red (81%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (80%)



- Cyan (19%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4929, 87.1857, 44.7238 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 67.4929, 87.1857, 44.7238 by changing the saturation by 10% instead.

 67.4929, 87.1857,
44.7238

 67.4929, 87.1857,
44.7238


441.1022,
518.8329, 381.7812

 49.7575, 65.6489,
30.8986


 114.6723,
143.4229, 83.6198

 35.4377, 47.9874,
20.2638


 144.8470,
178.8922, 109.5277

 24.1684, 33.8169,
12.4010

179.8988,
219.7743, 140.3002

 15.5840, 22.7530,
6.8915

220.1931,
266.4538, 176.3559

 9.3192, 14.4112,
3.3169

266.0952,
319.3150, 218.1133

 5.0087, 8.4072,
1.2587

317.9705,

 2.2872, 4.3566,

378.7423, 265.9910

0.0275

376.1844,
445.1202, 320.4075

■ 0.7881, 1.8750,
0.0000

■ 0.0000, 0.5333,
0.0000

■ 67.4929, 87.1857,
44.7238

■ 67.4929, 87.1857,
44.7238

■ 62.2350, 84.6990,
34.3649

■ 73.4754, 89.9935,
57.4850

■ 57.6658, 82.5183,
26.2537

■ 80.2134, 93.1355,
72.7826

■ 53.7475, 80.6278,
20.2234

■ 87.7372, 96.6244,
90.7451

■ 50.4371, 79.0094,
16.0824

95.0500, 100.0000,
108.9000

■ 47.6847, 77.6425,
13.6037

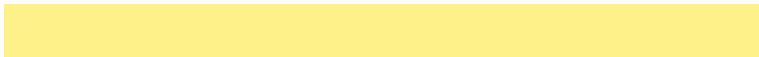
■ 45.4205, 76.4983,
12.4580

■ 45.1761, 76.3742,
12.3607

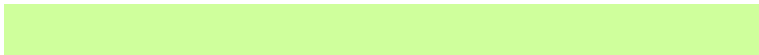
Harmonies

Analogous

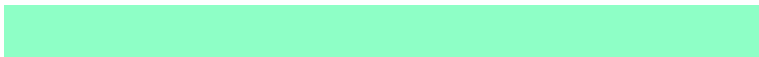
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7055, 87.1857, 36.2050



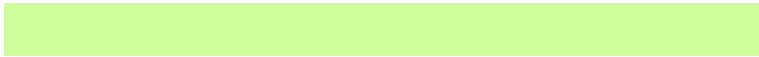
67.4929, 87.1857, 44.7238



60.0812, 87.1857, 67.0340

Triad

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



67.4929, 87.1857, 44.7238



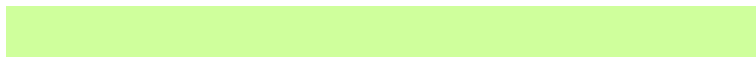
72.4478, 87.1857, 187.2387



113.3082, 87.1857, 86.0495

Complementary

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



67.4929, 87.1857, 44.7238



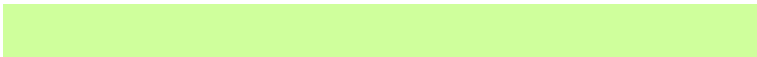
54.8415, 43.8356, 100.1784

Split Complementary

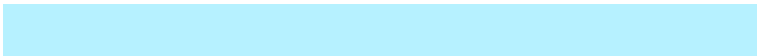
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.7898, 87.1857, 129.6572



67.4929, 87.1857, 44.7238



86.1119, 87.1857, 196.6698

Square

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



67.4929, 87.1857, 44.7238



62.7034, 87.1857, 150.2160



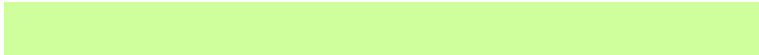
100.4155, 87.1857, 173.1789



106.9479, 87.1857, 55.2077

Rectangle

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



67.4929, 87.1857, 44.7238



58.3226, 87.1857, 90.4466



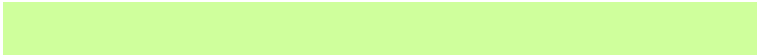
100.4155, 87.1857, 173.1789



113.4821, 87.1857, 99.5600

Sweetspot

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



67.4933, 87.1859, 44.7251



85.2595, 95.4774, 84.7411



68.7986, 66.7756, 40.7167



18.0361, 20.3374, 17.6270



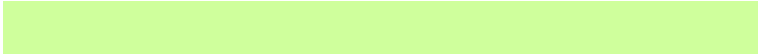
0.0000, 0.0000, 0.0000



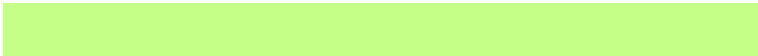
20.3446, 21.4041, 23.3091

Same Dimension

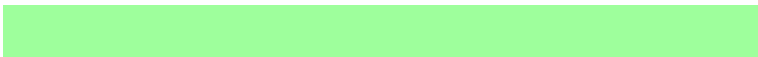
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4933, 87.1859, 44.7251



63.1408, 85.1289, 36.0807



55.7934, 81.1543, 44.1775



18.6641, 20.6282, 19.1423



23.7788, 39.9965, 6.4668



2.4414, 3.9594, 0.6356

Inverse Universe

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



54.8415, 43.8356, 100.1784



48.7936, 35.9615, 98.9773



70.5745, 51.9463, 100.9147



17.8413, 17.8099, 22.7473



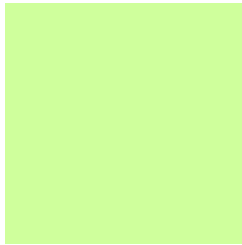
13.9183, 6.0857, 49.8757



1.4807, 0.6572, 4.8621

Previews

White Background



This preview shows how the XYZ color 67.4929, 87.1857, 44.7238 looks on a white background.

Color Contrast Check

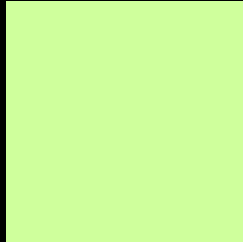
Large Text (above 18pt) WCAG AA × Fail

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 67.4929, 87.1857, 44.7238 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

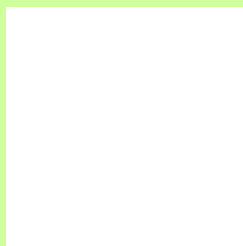
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4929, 87.1857, 44.7238

Background



This preview shows how black text looks on a background with the XYZ color 67.4929, 87.1857, 44.7238.

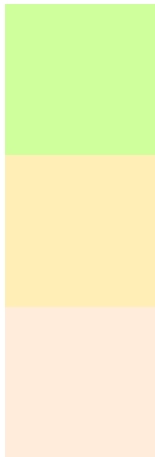


This preview shows how white text looks on a background with the XYZ color 67.4929, 87.1857,

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

67.4929, 87.1857, 44.7238

Protanopia

80.5500, 86.3704, 56.6817

Deuteranopia

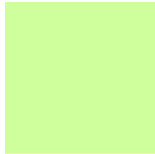
84.0216, 86.3654, 79.2596



Tritanopia

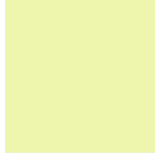
81.5002, 86.6246, 107.0324

Trichromacy



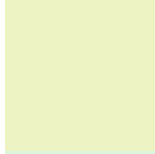
Original Color

67.4929, 87.1857, 44.7238



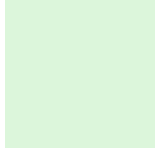
Protanomaly

75.4551, 86.4991, 52.2542



Deuteranomaly

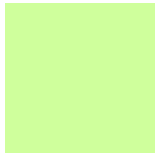
77.2743, 86.2638, 64.8024



Tritanomaly

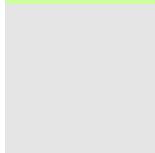
75.2571, 86.2417, 79.6977

Monochromacy



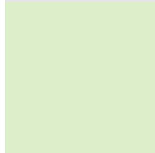
Original Color

67.4929, 87.1857, 44.7238



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.0540, 80.7855, 67.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4929, 87.1857, 44.7238 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(207, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 156)  
}
```

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(207, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 156) }
```

Border

The CSS property to change the border of an element to XYZ 67.4929, 87.1857, 44.7238 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(207, 255, 156) }
```


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

```
.border{ border-color:rgb(207, 255, 156) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4929, 87.1857, 44.7238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 156) }
```

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

```
.background{ background-color: rgb(207,  
255, 156) }
```

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