

Converting Colors

XYZ(70.1504, 92.7352, 42.8559)

Have a look what the booklet for
XYZ(70.1504, 92.7352, 42.8559)
contains.

XYZ(67.2774, 87.1319, 42.1264)	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(67.2774, 87.1319,
42.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF96
RGB	208, 255, 150
RGB Percent	82%, 100%, 59%
CMY	0.1843, 0.0000, 0.4118
CMYK	0.18, 0.00, 0.41, 0.00
HSL	87°, 100%, 79%
HSV	87°, 41%, 100%
XYZ	67.2774, 87.1319, 42.1264
YIQ	228.9770, 5.6930, -42.6190

Conversions

Conversions Part 2

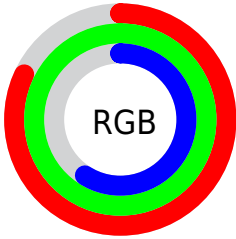
Format	Color
RYB	150, 255, 197
Decimal	13696918
CIELab	94.79, -31.96, 45.29
CIELCh	95, 55.431, 125.209
Yxy	87.1319, 0.3423, 0.4433
Android (android.graphics.Color)	4291886998 (0xFFD0FF96)
YUV	228.9770, -38.9357, -18.3968
Hunter-Lab	93.3445, -34.7001, 38.5835

Details

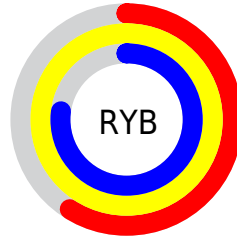
The XYZ color **67.2774, 87.1319, 42.1264** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.9835, 40.9043, 99.7632**, and the grayscale version is **74.7332, 78.6251, 85.6228**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.3006, 47.9266, 18.6995** is the 20% darker color. If you saturate the color by 10%, you get **62.3475, 84.8024, 32.3184**, and if you desaturate by 10%, it is **72.8857, 89.7594, 54.3007**.

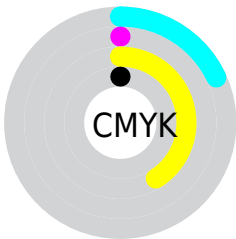
Distribution



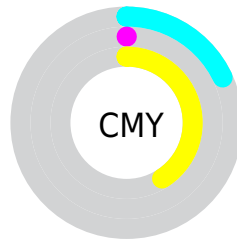
- Red (82%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2774, 87.1319, 42.1264 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 67.2774, 87.1319, 42.1264 by changing the saturation by 10% instead.


 67.2774, 87.1319,
42.1264


 67.2774, 87.1319,
42.1264


440.3485,
518.6562, 370.8218

 49.5816, 65.6044,
28.8740


 114.3654,
143.3480, 79.6630

 35.2975, 47.9513,
18.7407


 144.4884,
178.8053, 104.7843

 24.0597, 33.7883,
11.3082


179.4844,
219.6747, 134.6990

 15.5029, 22.7310,
6.1577

219.7189,
266.3405, 169.8256

 9.2617, 14.3950,
2.8709

265.5572,
319.1872, 210.5826

 4.9707, 8.3959,
1.0291

317.3647,

 2.2647, 4.3493,

378.5991, 257.3886

0.0000

375.5066,
444.9606, 310.6621

■ 0.7765, 1.8708,
0.0000

■ 0.0000, 0.5307,
0.0000

■ 67.2774, 87.1319,
42.1264

■ 67.2774, 87.1319,
42.1264

■ 62.3475, 84.8024,
32.3184

■ 72.8857, 89.7594,
54.3007

■ 58.0611, 82.7565,
24.7186

■ 79.2029, 92.6977,
68.9782

■ 54.3807, 80.9784,
19.1554

■ 86.2583, 95.9591,
86.2895

■ 51.2634, 79.4506,
15.4303

■ 94.0793, 99.5549,
106.3554

■ 48.6587, 78.1522, 95.0500, 100.0000,
13.3050 108.9000

■ 46.7197, 77.1699,
12.4329

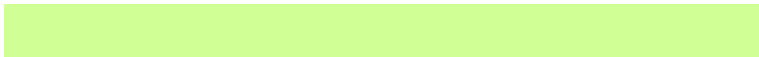
Harmonies

Analogous

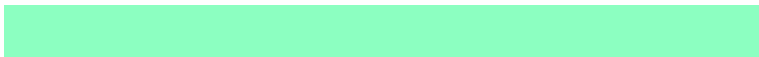
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2256, 87.1319, 34.1022



67.2774, 87.1319, 42.1264



59.2979, 87.1319, 64.2841

Triad

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



67.2774, 87.1319, 42.1264



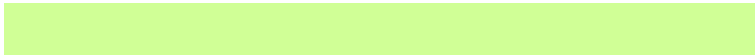
71.3033, 87.1319, 191.3364



114.9825, 87.1319, 87.5695

Complementary

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



67.2774, 87.1319, 42.1264



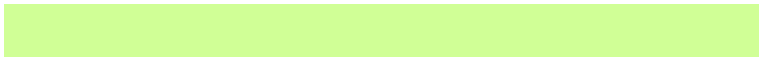
51.9835, 40.9043, 99.7632

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.



111.8521, 87.1319, 133.8869



67.2774, 87.1319, 42.1264



85.4621, 87.1319, 203.1776

Square

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



67.2774, 87.1319, 42.1264



61.4181, 87.1319, 150.9005



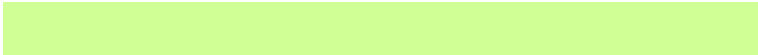
100.5805, 87.1319, 179.6151



108.6835, 87.1319, 54.7765

Rectangle

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



67.2774, 87.1319, 42.1264



57.2750, 87.1319, 88.1397



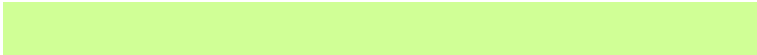
100.5805, 87.1319, 179.6151



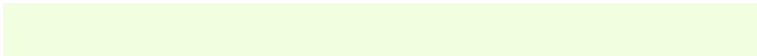
115.0053, 87.1319, 101.9383

Sweetspot

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



67.2777, 87.1320, 42.1277



85.6479, 95.6776, 84.7593



66.3730, 62.7175, 37.4629



18.1275, 20.3845, 17.6313



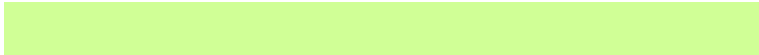
0.0000, 0.0000, 0.0000



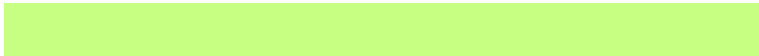
20.3446, 21.4041, 23.3091

Same Dimension

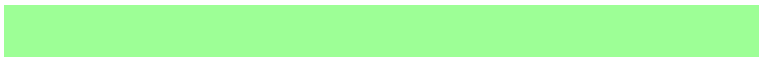
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2777, 87.1320, 42.1277



63.3640, 85.2845, 34.2586



55.1704, 80.8905, 41.5610



18.7310, 20.6627, 19.1454



24.5866, 40.4129, 6.5046



2.5197, 3.9997, 0.6392

Inverse Universe

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



51.9835, 40.9043, 99.7632



46.2845, 33.6354, 98.6606



67.6683, 48.9901, 100.4973



17.7750, 17.7757, 22.7442



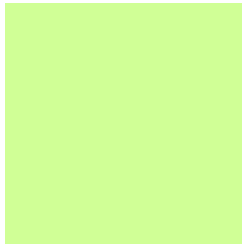
13.2334, 5.7325, 49.8436



1.4120, 0.6218, 4.8589

Previews

White Background



This preview shows how the XYZ color 67.2774, 87.1319, 42.1264 looks on a white background.

Color Contrast Check

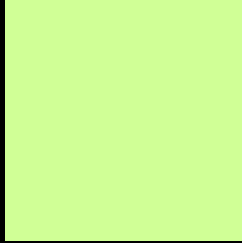
Large Text (above 18pt) WCAG AA × Fail

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 67.2774, 87.1319, 42.1264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

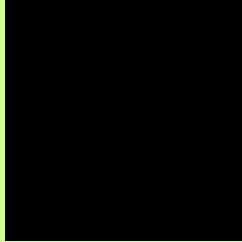
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

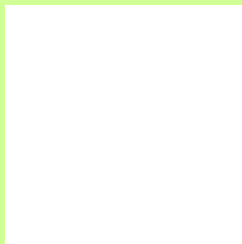
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2774, 87.1319, 42.1264

Background



This preview shows how black text looks on a background with the XYZ color 67.2774, 87.1319, 42.1264.



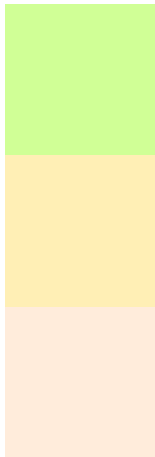
This preview shows how white text looks on a background with the XYZ color 67.2774, 87.1319,

42.1264.

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

67.2774, 87.1319, 42.1264

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

84.0216, 86.3654, 79.2596



Tritanopia

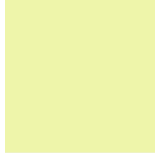
81.5002, 86.6246, 107.0324

Trichromacy



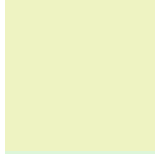
Original Color

67.2774, 87.1319, 42.1264



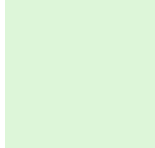
Protanomaly

75.1680, 86.3842, 50.7423



Deuteranomaly

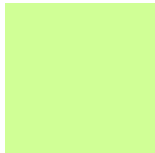
77.0481, 86.1734, 63.6112



Tritanomaly

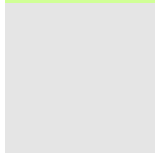
75.2989, 86.2934, 78.3333

Monochromacy



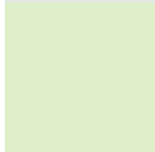
Original Color

67.2774, 87.1319, 42.1264



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.8187, 80.6914, 66.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2774, 87.1319, 42.1264 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(208, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 150)  
}
```

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(208, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 67.2774, 87.1319, 42.1264 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(208, 255, 150) }
```


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

```
.border{ border-color:rgb(208, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2774, 87.1319, 42.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 150) }
```

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

```
.background{ background-color: rgb(208,  
255, 150) }
```

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