

Converting Colors

XYZ(67.0389, 87.0365, 40.8702)

Have a look what the booklet for
XYZ(67.0389, 87.0365, 40.8702)
contains.

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Color

**XYZ(67.0389, 87.0365,
40.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF93
RGB	208, 255, 147
RGB Percent	82%, 100%, 58%
CMY	0.1843, 0.0000, 0.4235
CMYK	0.18, 0.00, 0.42, 0.00
HSL	86°, 100%, 79%
HSV	86°, 42%, 100%
XYZ	67.0389, 87.0365, 40.8702
YIQ	228.6350, 6.6560, -43.5520

Conversions

Conversions Part 2

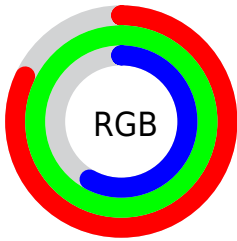
Format	Color
RYB	147, 255, 194
Decimal	13696915
CIELab	94.75, -32.31, 46.68
CIELCh	95, 56.776, 124.689
Yxy	87.0365, 0.3439, 0.4465
Android (android.graphics.Color)	4291886995 (0xFFD0FF93)
YUV	228.6350, -40.2461, -18.0969
Hunter-Lab	93.2934, -34.9965, 39.3314

Details

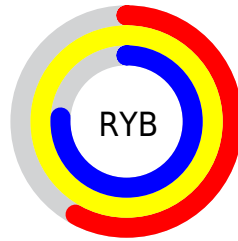
The XYZ color **67.0389, 87.0365, 40.8702** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.7331, 39.5581, 99.5693**, and the grayscale version is **74.4903, 78.3696, 85.3445**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **35.1634, 47.8717, 17.9765** is the 20% darker color. If you saturate the color by 10%, you get **62.2426, 84.7700, 31.3331**, and if you desaturate by 10%, it is **72.4976, 89.5932, 52.7557**.

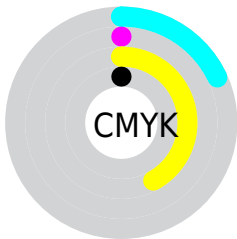
Distribution



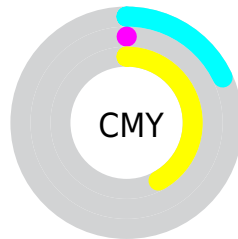
- Red (82%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0389, 87.0365, 40.8702 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 67.0389, 87.0365, 40.8702 by changing the saturation by 10% instead.


 67.0389, 87.0365,
40.8702


 67.0389, 87.0365,
40.8702


439.5135,
518.3428, 365.4384

 49.3871, 65.5254,
27.8987


 114.0256,
143.2150, 77.7383

 35.1424, 47.8872,
18.0110


 144.0912,
178.6512, 102.4721

 23.9396, 33.7376,
10.7883


179.0255,
219.4979, 131.9637

 15.4133, 22.6921,
5.8123

219.1937,
266.1395, 166.6317

 9.1982, 14.3663,
2.6644

264.9612,
318.9604, 206.8946

 4.9288, 8.3759,
0.9254

316.6935,

 2.2399, 4.3364,

378.3450, 253.1710

0.0000

374.7558,
444.6777, 305.8794

0.7636, 1.8635,
0.0000

0.0000, 0.5263,
0.0000

67.0389, 87.0365,
40.8702

67.0389, 87.0365,
40.8702

62.2426, 84.7700,
31.3331

72.4976, 89.5932,
52.7557

58.0739, 82.7793,
23.9843

78.6492, 92.4527,
67.1279

54.4951, 81.0488,
18.6498

85.5229, 95.6272,
84.1186

51.4632, 79.5606,
15.1273

93.1457, 99.1281,
103.8494

■ 48.9270, 78.2937, 95.0500, 100.0000,
13.1723 108.9000

■ 47.2660, 77.4516,
12.4585

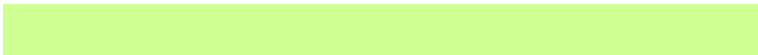
Harmonies

Analogous

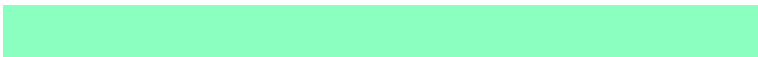
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3361, 87.0365, 33.0195



67.0389, 87.0365, 40.8702



58.8093, 87.0365, 63.0278

Triad

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



67.0389, 87.0365, 40.8702



70.7375, 87.0365, 193.5629



115.7670, 87.0365, 88.0243

Complementary

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



67.0389, 87.0365, 40.8702



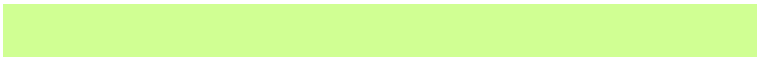
50.7331, 39.5581, 99.5693

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.



112.3792, 87.0365, 135.6958



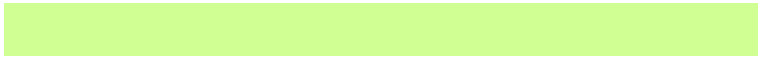
67.0389, 87.0365, 40.8702



85.1620, 87.0365, 206.4465

Square

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



67.0389, 87.0365, 40.8702



60.7522, 87.0365, 151.4760



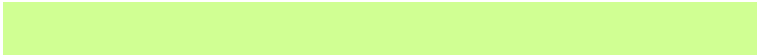
100.6862, 87.0365, 182.6505



109.4455, 87.0365, 54.3411

Rectangle

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



67.0389, 87.0365, 40.8702



56.6795, 87.0365, 87.1572



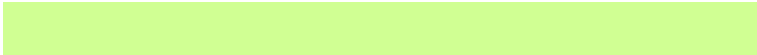
100.6862, 87.0365, 182.6505



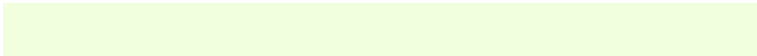
115.7321, 87.0365, 102.8094

Sweetspot

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



67.0392, 87.0366, 40.8715



85.0548, 95.4116, 82.9353



65.7544, 61.8621, 36.0800



17.8692, 20.2671, 16.9077



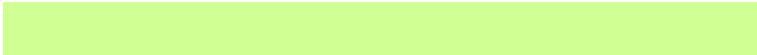
0.0000, 0.0000, 0.0000



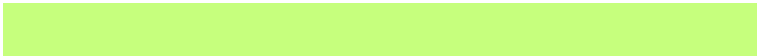
20.3446, 21.4041, 23.3091

Same Dimension

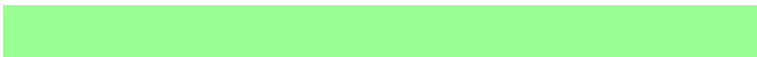
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0392, 87.0366, 40.8715



62.8535, 85.0600, 32.4908



54.3918, 80.5166, 40.2796



18.7534, 20.6743, 19.1465



24.8720, 40.5601, 6.5180



2.5471, 4.0138, 0.6405

Inverse Universe

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



50.7331, 39.5581, 99.5693



44.5619, 31.7646, 98.3903



67.1248, 48.0084, 100.3364



17.7529, 17.7644, 22.7431



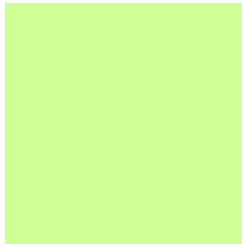
13.0192, 5.6221, 49.8336



1.3902, 0.6106, 4.8579

Previews

White Background



This preview shows how the XYZ color 67.0389, 87.0365, 40.8702 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 67.0389, 87.0365, 40.8702 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

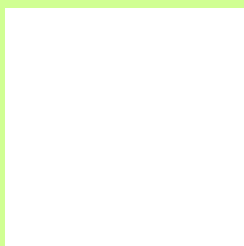
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0389, 87.0365, 40.8702

Background



This preview shows how black text looks on a background with the XYZ color 67.0389, 87.0365, 40.8702.

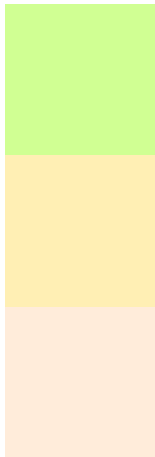


This preview shows how white text looks on a background with the XYZ color 67.0389, 87.0365,

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

67.0389, 87.0365, 40.8702

Protanopia

80.3447, 86.2883, 55.6007

Deuteranopia

83.8903, 86.3129, 78.5682



Tritanopia

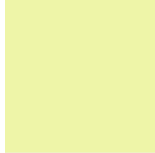
81.5002, 86.6246, 107.0324

Trichromacy



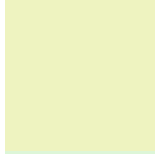
Original Color

67.0389, 87.0365, 40.8702



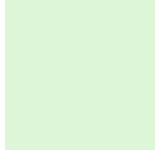
Protanomaly

74.9802, 86.3091, 49.7532



Deuteranomaly

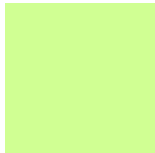
76.8249, 86.0841, 62.4360



Tritanomaly

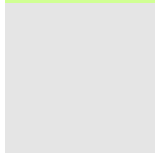
75.1692, 86.2416, 77.6502

Monochromacy



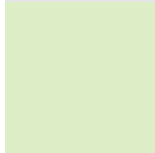
Original Color

67.0389, 87.0365, 40.8702



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.7021, 80.6447, 65.8724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0389, 87.0365, 40.8702 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 67.0389, 87.0365, 40.8702 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, 147) }
```


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

```
.border{ border-color:rgb(208, 255, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0389, 87.0365, 40.8702 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, 147) }
```

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

```
.background{ background-color: rgb(208,  
255, 147) }
```

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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