

Converting Colors

XYZ(68.0222, 87.5614, 40.1040)

Have a look what the booklet for
XYZ(68.0222, 87.5614, 40.1040)
contains.

XYZ(68.0222, 87.5614, 40.1040)	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(68.0222, 87.5614,
40.1040)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FF91
RGB	212, 255, 145
RGB Percent	83%, 100%, 57%
CMY	0.1686, 0.0000, 0.4314
CMYK	0.17, 0.00, 0.43, 0.00
HSL	83°, 100%, 78%
HSV	83°, 43%, 100%
XYZ	68.0222, 87.5614, 40.1040
YIQ	229.6030, 9.6820, -43.3260

Conversions

Conversions Part 2

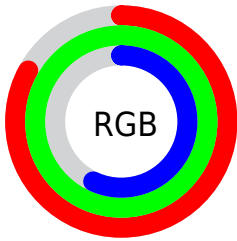
Format	Color
R_{YB}	145, 255, 188
Decimal	13959057
CIE Lab	94.98, -31.10, 47.97
CIE LCh	95, 57.175, 122.958
Yxy	87.5614, 0.3476, 0.4475
Android (android.graphics.Color)	4292149137 (0xFFD4FF91)
YUV	229.6030, -41.7093, -15.4378
Hunter-Lab	93.5742, -33.9974, 40.0915

Details

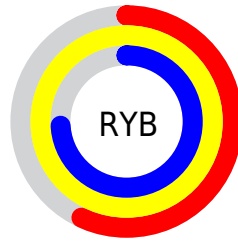
The XYZ color **68.0222, 87.5614, 40.1040** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.9157, 38.1635, 99.3959**, and the grayscale version is **75.2131, 79.1301, 86.1727**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **35.8362, 48.2288, 17.5455** is the 20% darker color. If you saturate the color by 10%, you get **63.4857, 85.4250, 30.7542**, and if you desaturate by 10%, it is **73.1780, 89.9660, 51.7885**.

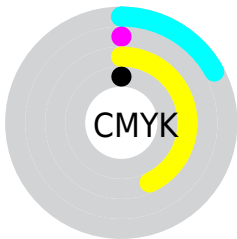
Distribution



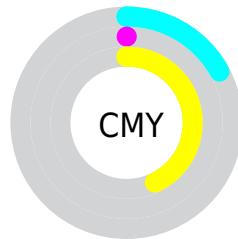
- Red (83%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (74%)



- Cyan (17%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0222, 87.5614, 40.1040 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 68.0222, 87.5614, 40.1040 by changing the saturation by 10% instead.


 68.0222, 87.5614,
40.1040


 68.0222, 87.5614,
40.1040


442.9502,
520.0658, 362.1268

 50.1895, 65.9599,
27.3052


 115.4256,
143.9464, 76.5607

 35.7824, 48.2398,
17.5681


 145.7271,
179.4986, 101.0557

 24.4355, 34.0169,
10.4742


180.9156,
220.4699, 130.2865

 15.7835, 22.9066,
5.6048

221.3564,
267.2447, 164.6717

 9.4610, 14.5245,
2.5414

267.4149,
320.2072, 204.6298

 5.1026, 8.4864,
0.8620

319.4565,

 2.3429, 4.4077,

379.7420, 250.5793

0.0000

377.8464,
446.2334, 302.9388

0.8165, 1.9041,
0.0000

0.0000, 0.5509,
0.0000

68.0222, 87.5614,
40.1040

68.0222, 87.5614,
40.1040

63.4857, 85.4250,
30.7542

73.1780, 89.9660,
51.7885

59.5347, 83.5429,
23.5780

78.9824, 92.6509,
65.9471

56.1326, 81.9001,
18.3995

85.4638, 95.6278,
82.7122

53.2371, 80.4794,
15.0140

92.6482, 98.9075,
102.2062

■ 50.7975, 79.2600, 95.0500, 100.0000,
13.1726 108.9000

■ 49.3382, 78.5198,
12.5554

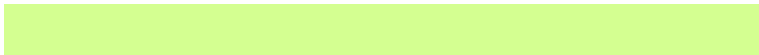
Harmonies

Analogous

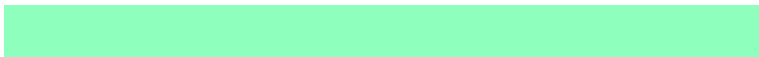
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6941, 87.5614, 32.9233



68.0222, 87.5614, 40.1040



59.3736, 87.5614, 61.5219

Triad

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



68.0222, 87.5614, 40.1040



70.3805, 87.5614, 193.5206



116.7266, 87.5614, 90.9970

Complementary

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



68.0222, 87.5614, 40.1040



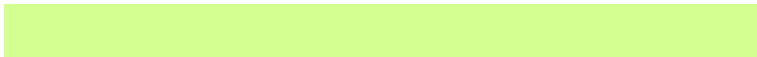
48.9157, 38.1635, 99.3959

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.



112.7347, 87.5614, 139.7152



68.0222, 87.5614, 40.1040



84.7739, 87.5614, 208.6982

Square

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



68.0222, 87.5614, 40.1040



60.6116, 87.5614, 149.8037



100.5382, 87.5614, 186.5364



110.8600, 87.5614, 55.9924

Rectangle

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



68.0222, 87.5614, 40.1040



56.9813, 87.5614, 85.2402



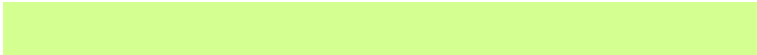
100.5382, 87.5614, 186.5364



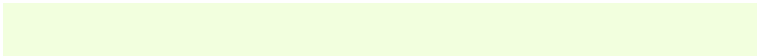
116.4945, 87.5614, 106.2065

Sweetspot

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



68.0225, 87.5615, 40.1052



85.5567, 95.6704, 82.9588



64.1572, 58.9167, 34.7800



17.9933, 20.3311, 16.9135



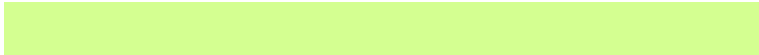
0.0000, 0.0000, 0.0000



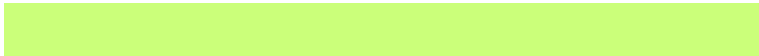
20.3446, 21.4041, 23.3091

Same Dimension

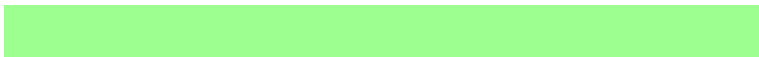
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0225, 87.5615, 40.1052



63.9710, 85.6546, 31.7039



54.9394, 80.8169, 39.4930



18.8335, 20.7156, 19.1502



25.9527, 41.1172, 6.5686



2.6496, 4.0667, 0.6453

Inverse Universe

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



48.9157, 38.1635, 99.3959



42.5669, 30.2633, 98.2056



64.8512, 46.3786, 100.1417



17.6746, 17.7240, 22.7395



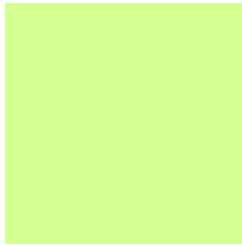
12.3147, 5.2589, 49.8006



1.3173, 0.5730, 4.8544

Previews

White Background



This preview shows how the XYZ color 68.0222, 87.5614, 40.1040 looks on a white background.

Color Contrast Check

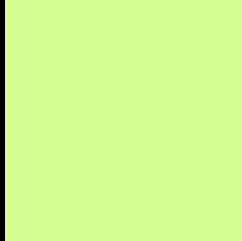
Large Text (above 18pt) WCAG AA × Fail

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 68.0222, 87.5614, 40.1040 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 68.0222, 87.5614, 40.1040

Background



This preview shows how black text looks on a background with the XYZ color 68.0222, 87.5614, 40.1040.

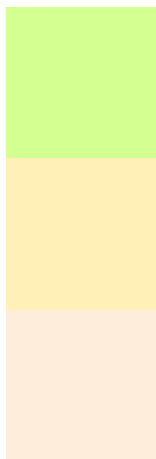


This preview shows how white text looks on a background with the XYZ color 68.0222, 87.5614,

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

68.0222, 87.5614, 40.1040

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

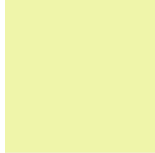
82.4603, 87.1195, 107.0774

Trichromacy



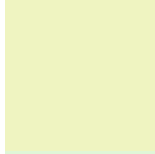
Original Color

68.0222, 87.5614, 40.1040



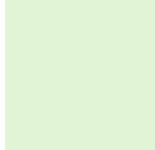
Protanomaly

75.5047, 86.5578, 50.7580



Deuteranomaly

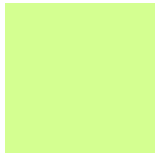
77.5729, 86.9023, 63.1374



Tritanomaly

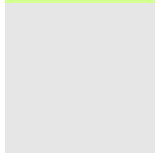
75.9620, 86.6651, 77.0144

Monochromacy



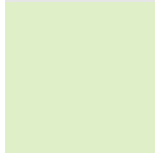
Original Color

68.0222, 87.5614, 40.1040



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.6067, 81.5445, 65.9984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0222, 87.5614, 40.1040 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(212, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 145)  
}
```

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(212, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 68.0222, 87.5614, 40.1040 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(212, 255, 145) }
```


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

```
.border{ border-color:rgb(212, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0222, 87.5614, 40.1040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 145) }
```

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

```
.background{ background-color: rgb(212,  
255, 145) }
```

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