

Converting Colors

XYZ(68.2418, 87.6715, 40.2553)

Have a look what the booklet for
XYZ(68.2418, 87.6715, 40.2553)
contains.

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Color

**XYZ(68.3114, 87.7105,
40.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF91
RGB	213, 255, 145
RGB Percent	84%, 100%, 57%
CMY	0.1647, 0.0000, 0.4314
CMYK	0.16, 0.00, 0.43, 0.00
HSL	83°, 100%, 78%
HSV	83°, 43%, 100%
XYZ	68.3114, 87.7105, 40.1175
YIQ	229.9020, 10.2780, -43.1140

Conversions

Conversions Part 2

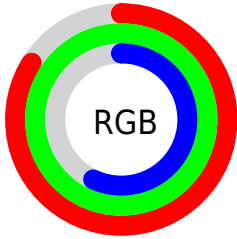
Format	Color
RYB	145, 255, 187
Decimal	14024593
CIELab	95.04, -30.74, 48.07
CIELCh	95, 57.057, 122.603
Yxy	87.7105, 0.3483, 0.4472
Android (android.graphics.Color)	4292214673 (0xFFD5FF91)
YUV	229.9020, -41.8567, -14.8231
Hunter-Lab	93.6539, -33.6959, 40.1603

Details

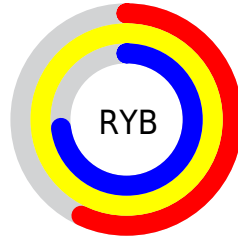
The XYZ color **68.3114, 87.7105, 40.1175** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.6701, 38.0369, 99.3844**, and the grayscale version is **75.4352, 79.3637, 86.4271**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **36.0305, 48.3290, 17.5546** is the 20% darker color. If you saturate the color by 10%, you get **63.8205, 85.5976, 30.7699**, and if you desaturate by 10%, it is **73.4137, 90.0875, 51.7995**.

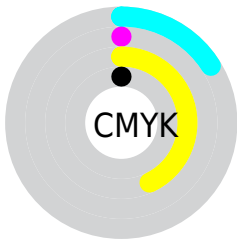
Distribution



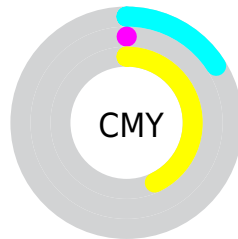
- Red (84%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3114, 87.7105, 40.1175 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 68.3114, 87.7105, 40.1175 by changing the saturation by 10% instead.


 68.3114, 87.7105,
40.1175


 68.3114, 87.7105,
40.1175


443.9580,
520.5547, 362.1854

 50.4257, 66.0833,
27.3157


 115.8370,
144.1540, 76.5814

 35.9710, 48.3401,
17.5759


 146.2076,
179.7392, 101.0807

 24.5818, 34.0963,
10.4797


181.4705,
220.7459, 130.3161

 15.8928, 22.9676,
5.6084

221.9912,
267.5583, 164.7063

 9.5387, 14.5696,
2.5436

268.1349,
320.5611, 204.6698

 5.1541, 8.5179,
0.8631

320.2670,

 2.3736, 4.4281,

380.1385, 250.6251

0.0000

378.7529,
446.6749, 302.9908

0.8319, 1.9158,
0.0000

0.0000, 0.5578,
0.0000

68.3114, 87.7105,
40.1175

68.3114, 87.7105,
40.1175

63.8205, 85.5976,
30.7699

73.4137, 90.0875,
51.7995

59.9074, 83.7350,
23.5954

79.1567, 92.7408,
65.9552

56.5357, 82.1080,
18.4184

85.5683, 95.6817,
82.7171

53.6636, 80.6993,
15.0339

92.6745, 98.9211,
102.2074

■ 51.2405, 79.4883, 95.0500, 100.0000,
13.1933 108.9000

■ 49.7886, 78.7520,
12.5765

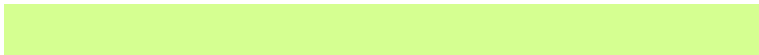
Harmonies

Analogous

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



82.0197, 87.7105, 33.0775



68.3114, 87.7105, 40.1175



59.5982, 87.7105, 61.3520

Triad

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



68.3114, 87.7105, 40.1175



70.3854, 87.7105, 193.1413



116.8382, 87.7105, 91.6768

Complementary

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



68.3114, 87.7105, 40.1175



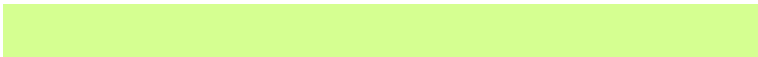
48.6701, 38.0369, 99.3844

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.



112.7376, 87.7105, 140.4288



68.3114, 87.7105, 40.1175



84.7274, 87.7105, 208.7179

Square

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



68.3114, 87.7105, 40.1175



60.6872, 87.7105, 149.2931



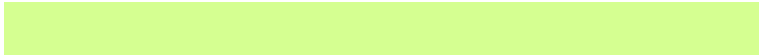
100.4848, 87.7105, 187.0068



111.0901, 87.7105, 56.4866

Rectangle

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



68.3114, 87.7105, 40.1175



57.1570, 87.7105, 84.9245



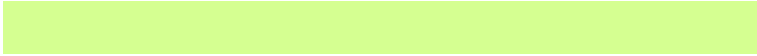
100.4848, 87.7105, 187.0068



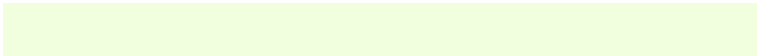
116.5662, 87.7105, 106.9228

Sweetspot

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



68.3117, 87.7106, 40.1187



85.6603, 95.7238, 82.9636



63.7703, 58.1428, 34.6509



18.0189, 20.3443, 16.9147



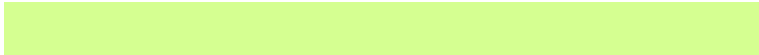
0.0000, 0.0000, 0.0000



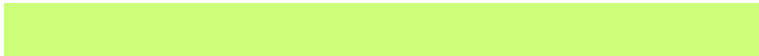
20.3446, 21.4041, 23.3091

Same Dimension

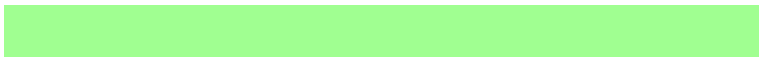
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3117, 87.7106, 40.1187



64.3009, 85.8247, 31.7194



55.3023, 81.0040, 39.5099



18.8500, 20.7241, 19.1510



26.1872, 41.2381, 6.5795



2.6716, 4.0780, 0.6463

Inverse Universe

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



48.6701, 38.0369, 99.3844



42.2991, 30.1252, 98.1931



64.2245, 46.0555, 100.1123



17.6586, 17.7157, 22.7387



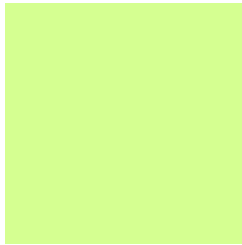
12.1810, 5.1900, 49.7943



1.3032, 0.5657, 4.8538

Previews

White Background



This preview shows how the XYZ color 68.3114, 87.7105, 40.1175 looks on a white background.

Color Contrast Check

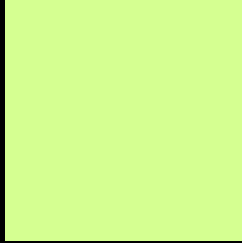
Large Text (above 18pt) WCAG AA × Fail

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 68.3114, 87.7105, 40.1175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

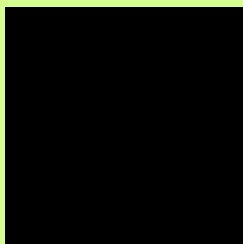
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

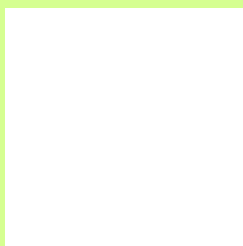
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3114, 87.7105, 40.1175

Background



This preview shows how black text looks on a background with the XYZ color 68.3114, 87.7105, 40.1175.

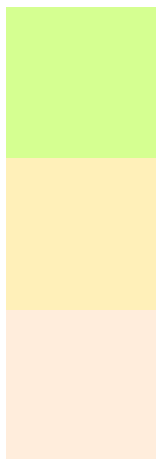


This preview shows how white text looks on a background with the XYZ color 68.3114, 87.7105,

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

68.3114, 87.7105, 40.1175

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

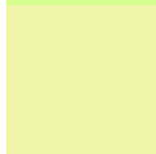
82.7840, 87.2864, 107.0925

Trichromacy



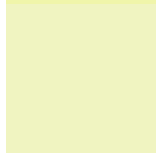
Original Color

68.3114, 87.7105, 40.1175



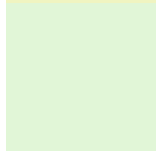
Protanomaly

75.8433, 86.7324, 50.7739



Deuteranomaly

77.9115, 87.0769, 63.1532



Tritanomaly

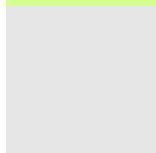
76.2728, 86.8254, 77.0289

Monochromacy



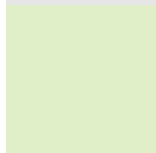
Original Color

68.3114, 87.7105, 40.1175



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9158, 81.7038, 66.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3114, 87.7105, 40.1175 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(213, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 68.3114, 87.7105, 40.1175 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(213, 255, 145) }
```


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

```
.border{ border-color:rgb(213, 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(213, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 145); box-shadow:4px 4px 4px 4px rgb(213, 255, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3114, 87.7105, 40.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 145) }
```

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

```
.background{ background-color: rgb(213,  
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](#).

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