

Converting Colors

XYZ(93.5224, 137.5003,
46.2706)

Have a look what the booklet for
XYZ(93.5224, 137.5003, 46.2706)
contains.

XYZ(68.8125, 88.0124, 38.1722)	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(68.8125, 88.0124,
38.1722)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FF8C
RGB	216, 255, 140
RGB Percent	85%, 100%, 55%
CMY	0.1529, 0.0000, 0.4510
CMYK	0.15, 0.00, 0.45, 0.00
HSL	80°, 100%, 77%
HSV	80°, 45%, 100%
XYZ	68.8125, 88.0124, 38.1722
YIQ	230.2290, 13.6710, -44.0330

Conversions

Conversions Part 2

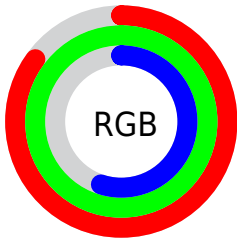
Format	Color
RYB	140, 255, 179
Decimal	14221196
CIELab	95.17, -30.20, 50.64
CIELCh	95, 58.963, 120.809
Yxy	88.0124, 0.3529, 0.4514
Android (android.graphics.Color)	4292411276 (0xFFD8FF8C)
YUV	230.2290, -44.4829, -12.4788
Hunter-Lab	93.8149, -33.2478, 41.5460

Details

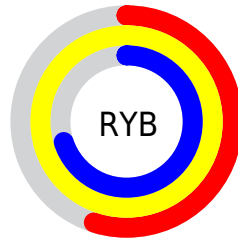
The XYZ color **68.8125, 88.0124, 38.1722** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.0197, 35.5612, 99.0462**, and the grayscale version is **75.6948, 79.6368, 86.7245**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **36.2125, 48.4472, 16.4595** is the 20% darker color. If you saturate the color by 10%, you get **64.6565, 86.0625, 29.2741**, and if you desaturate by 10%, it is **73.5391, 90.2060, 49.3735**.

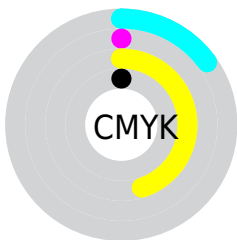
Distribution



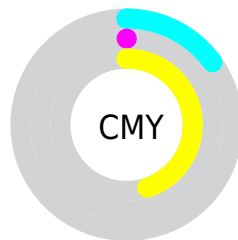
- Red (85%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (70%)



- Cyan (15%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8125, 88.0124, 38.1722 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 68.8125, 88.0124, 38.1722 by changing the saturation by 10% instead.

68.8125, 88.0124,
38.1722

68.8125, 88.0124,
38.1722

445.7011,
521.5438, 353.6784

50.8351, 66.3333,
25.8135

116.5493,
144.5744, 73.5783

36.2979, 48.5430,
16.4597

147.0394,
180.2262, 97.4629

24.8355, 34.2571,
9.6921

182.4310,
221.3043, 126.0264

16.0826, 23.0912,
5.0924

223.0897,
268.1931, 159.6875

9.6739, 14.6609,
2.2419

269.3807,
321.2771, 198.8647

5.2439, 8.5817,
0.6984

321.6693,

2.4273, 4.4694,

380.9406, 243.9766

0.0000

380.3210,
447.5681, 295.4416

■ 0.8587, 1.9394,
0.0000

■ 0.0000, 0.5719,
0.0000

■ 68.8125, 88.0124,
38.1722

■ 68.8125, 88.0124,
38.1722

■ 64.6565, 86.0625,
29.2741

■ 73.5391, 90.2060,
49.3735

■ 61.0380, 84.3429,
22.5147

■ 78.8653, 92.6552,
63.0196

■ 57.9204, 82.8389,
17.7135

■ 84.8186, 95.3713,
79.2454

■ 55.2617, 81.5331,
14.6588

■ 91.4244, 98.3646,
98.1745

■ 53.0099, 80.4046, 95.0500, 100.0000,
13.0899 108.9000

■ 52.0192, 79.9019,
12.6809

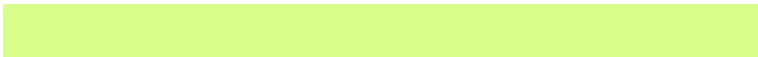
Harmonies

Analogous

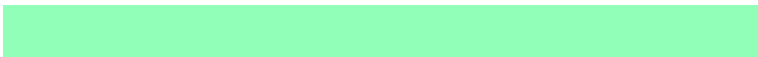
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2181, 88.0124, 31.8106



68.8125, 88.0124, 38.1722



59.4863, 88.0124, 58.8434

Triad

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



68.8125, 88.0124, 38.1722



69.4773, 88.0124, 195.6315



118.4865, 88.0124, 94.5879

Complementary

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



68.8125, 88.0124, 38.1722



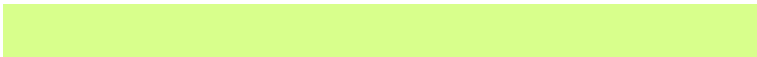
46.0197, 35.5612, 99.0462

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.



113.6122, 88.0124, 145.7620



68.8125, 88.0124, 38.1722



84.0897, 88.0124, 214.2548

Square

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



68.8125, 88.0124, 38.1722



59.8342, 88.0124, 148.6398



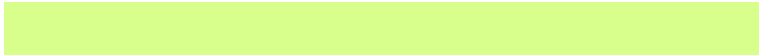
100.4874, 88.0124, 193.6299



113.0786, 88.0124, 57.2954

Rectangle

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



68.8125, 88.0124, 38.1722



56.7215, 88.0124, 82.3863



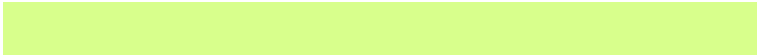
100.4874, 88.0124, 193.6299



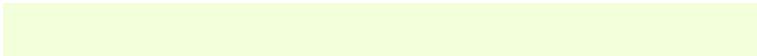
117.9910, 88.0124, 110.6632

Sweetspot

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



68.8127, 88.0125, 38.1734



85.5108, 95.6859, 81.1874



61.9611, 55.1280, 32.1872



18.0130, 20.3489, 16.5664



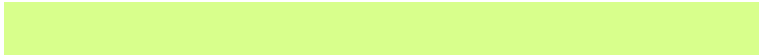
0.0000, 0.0000, 0.0000



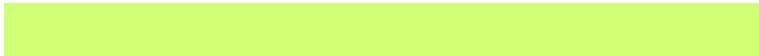
20.3446, 21.4041, 23.3091

Same Dimension

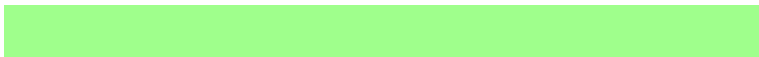
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8127, 88.0125, 38.1734



65.0855, 86.2649, 30.1427



54.8255, 80.8018, 37.5188



18.9278, 20.7642, 19.1546



27.3471, 41.8360, 6.6338



2.7795, 4.1336, 0.6514

Inverse Universe

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



46.0197, 35.5612, 99.0462



39.7561, 27.9051, 97.8986



61.9655, 43.7815, 99.7925



17.5836, 17.6771, 22.7352



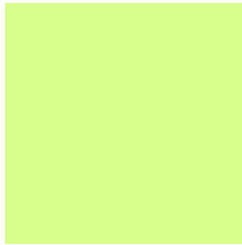
11.6023, 4.8917, 49.7673



1.2409, 0.5336, 4.8509

Previews

White Background



This preview shows how the XYZ color 68.8125, 88.0124, 38.1722 looks on a white background.

Color Contrast Check

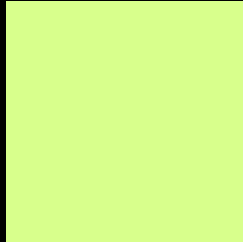
Large Text (above 18pt) WCAG AA × Fail

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 68.8125, 88.0124, 38.1722 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

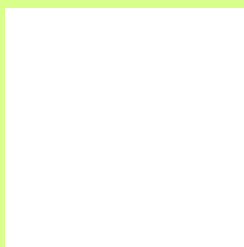
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8125, 88.0124, 38.1722

Background



This preview shows how black text looks on a background with the XYZ color 68.8125, 88.0124, 38.1722.

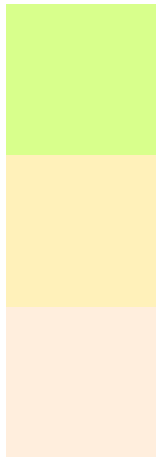


This preview shows how white text looks on a background with the XYZ color 68.8125, 88.0124,

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

68.8125, 88.0124, 38.1722

Protanopia

81.5582, 87.7158, 59.0866

Deuteranopia

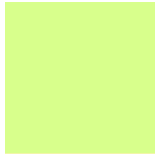
84.8657, 87.6295, 80.8479



Tritanopia

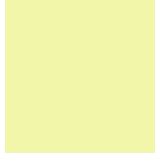
83.4370, 87.6230, 107.1231

Trichromacy



Original Color

68.8125, 88.0124, 38.1722



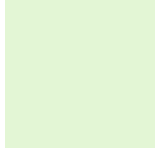
Protanomaly

76.3928, 87.4769, 50.3945



Deuteranomaly

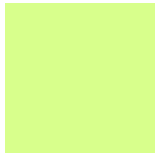
78.1407, 87.2079, 62.5835



Tritanomaly

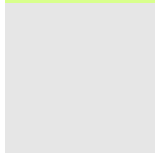
76.6446, 87.0465, 75.7129

Monochromacy



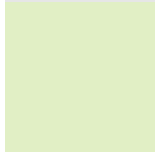
Original Color

68.8125, 88.0124, 38.1722



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9959, 81.7718, 64.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8125, 88.0124, 38.1722 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(216, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 140)  
}
```

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(216, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 68.8125, 88.0124, 38.1722 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(216, 255, 140) }
```


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

```
.border{ border-color:rgb(216, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8125, 88.0124, 38.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 140) }
```

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

```
.background{ background-color: rgb(216,  
255, 140) }
```

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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