

Converting Colors

XYZ(67.9579, 87.3021, 50.3187)

Have a look what the booklet for
XYZ(67.9579, 87.3021, 50.3187)
contains.

XYZ(68.0047, 87.3263, 50.3172)	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(68.0047, 87.3263,
50.3172)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFA8
RGB	205, 255, 168
RGB Percent	80%, 100%, 66%
CMY	0.1961, 0.0000, 0.3412
CMYK	0.20, 0.00, 0.34, 0.00
HSL	94°, 100%, 83%
HSV	94°, 34%, 100%
XYZ	68.0047, 87.3263, 50.3172
YIQ	230.1320, -1.8730, -37.6570

Conversions

Conversions Part 2

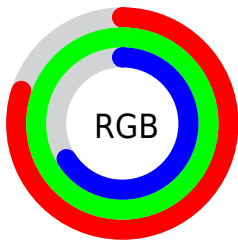
Format	Color
RYB	168, 255, 218
Decimal	13500328
CIELab	94.88, -30.71, 36.54
CIELCh	95, 47.735, 130.049
Yxy	87.3263, 0.3307, 0.4246
Android (android.graphics.Color)	4291690408 (0xFFCDDFA8)
YUV	230.1320, -30.6311, -22.0408
Hunter-Lab	93.4485, -33.6363, 33.4894

Details

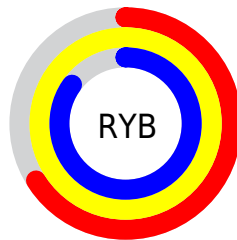
The XYZ color **68.0047, 87.3263, 50.3172** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.9672, 50.1320, 101.0709**, and the grayscale version is **75.5317, 79.4652, 86.5376**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **35.6830, 48.0155, 23.6069** is the 20% darker color. If you saturate the color by 10%, you get **62.0018, 84.4798, 38.8279**, and if you desaturate by 10%, it is **74.8530, 90.5547, 64.2802**.

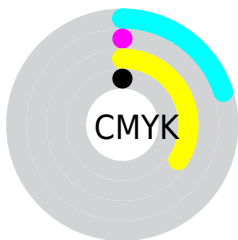
Distribution



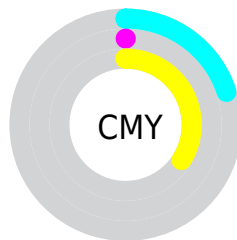
- Red (80%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (85%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0047, 87.3263, 50.3172 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 68.0047, 87.3263, 50.3172 by changing the saturation by 10% instead.

68.0047, 87.3263,
50.3172

68.0047, 87.3263,
50.3172

442.8891,
519.2945, 404.6756

50.1752, 65.7653,
35.2926

115.4007,
143.6189, 92.0458

35.7710, 48.0819,
23.6030

145.6980,
179.1192, 119.5869

24.4267, 33.8917,
14.8299

180.8820,
220.0347, 152.1371

15.7769, 22.8104,
8.5548

221.3180,
266.7499, 190.1152

9.4563, 14.4536,
4.3591

267.3713,
319.6490, 233.9395

5.0994, 8.4368,
1.8244

319.4074,

2.3411, 4.3757,

379.1166, 284.0286

0.4439

377.7915,
445.5369, 340.8012

■ 0.8156, 1.8859,
0.0000

■ 0.0000, 0.5399,
0.0000

■ 68.0047, 87.3263,
50.3172

■ 68.0047, 87.3263,
50.3172

■ 62.0018, 84.4798,
38.8279

■ 74.8530, 90.5547,
64.2802

■ 56.8054, 81.9984,
29.6637

■ 82.5805, 94.1798,
80.8457

■ 52.3749, 79.8646,
22.6666

■ 91.2207, 98.2159,
100.1383

■ 48.6649, 78.0591,
17.6567

95.0500, 100.0000,
108.9000

■ 45.6241, 76.5599,
14.4255

■ 43.1915, 75.3411,
12.7179

■ 41.9987, 74.7361,
12.2120

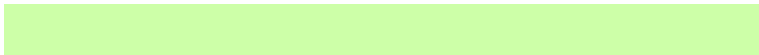
Harmonies

Analogous

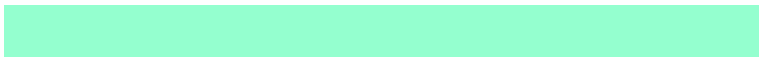
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7366, 87.3263, 40.7795



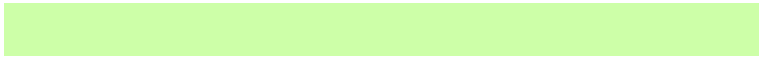
68.0047, 87.3263, 50.3172



61.7493, 87.3263, 72.7913

Triad

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



68.0047, 87.3263, 50.3172



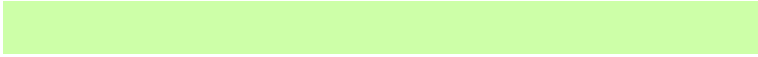
74.8007, 87.3263, 178.9805



109.9775, 87.3263, 83.1888

Complementary

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



68.0047, 87.3263, 50.3172



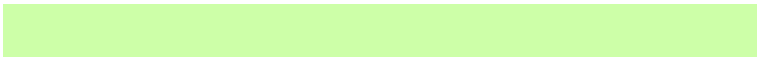
60.9672, 50.1320, 101.0709

Split Complementary

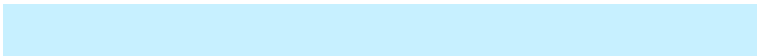
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.6425, 87.3263, 121.5172



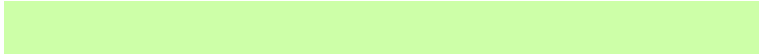
68.0047, 87.3263, 50.3172



87.4167, 87.3263, 183.8757

Square

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



68.0047, 87.3263, 50.3172



65.3812, 87.3263, 148.6721



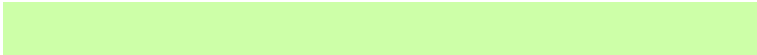
100.0543, 87.3263, 160.6939



103.5321, 87.3263, 56.2220

Rectangle

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



68.0047, 87.3263, 50.3172



60.5318, 87.3263, 95.1443



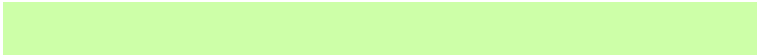
100.0543, 87.3263, 160.6939



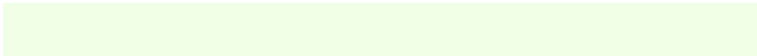
110.4384, 87.3263, 95.0227

Sweetspot

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



68.0051, 87.3265, 50.3185



86.0251, 95.7907, 88.4508



73.1987, 73.8683, 47.4471



18.1574, 20.3838, 18.3651



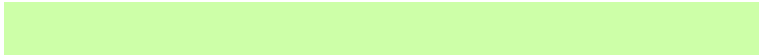
0.0000, 0.0000, 0.0000



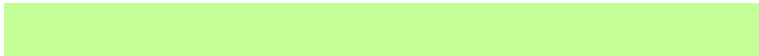
20.3446, 21.4041, 23.3091

Same Dimension

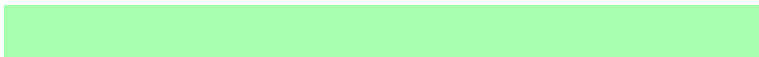
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0051, 87.3265, 50.3185



63.7844, 85.3270, 42.1525



59.5297, 82.8934, 52.8060



18.5039, 20.5457, 19.1348



22.1074, 39.1349, 6.3886



2.2743, 3.8732, 0.6277

Inverse Universe

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



60.9672, 50.1320, 101.0709



55.7599, 42.9572, 99.9605



72.3732, 56.1183, 96.8037



18.0028, 17.8932, 22.7548



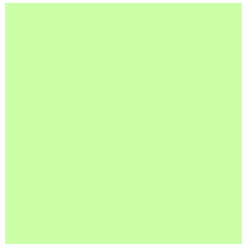
15.8515, 7.0822, 49.9661



1.6684, 0.7540, 4.8709

Previews

White Background



This preview shows how the XYZ color 68.0047, 87.3263, 50.3172 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 68.0047, 87.3263, 50.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

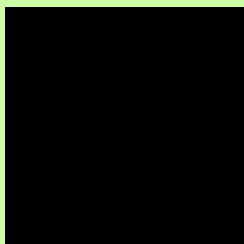
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

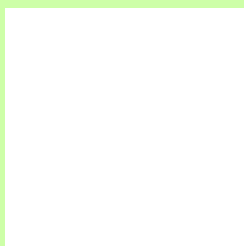
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0047, 87.3263, 50.3172

Background



This preview shows how black text looks on a background with the XYZ color 68.0047, 87.3263, 50.3172.

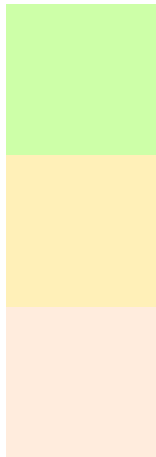


This preview shows how white text looks on a background with the XYZ color 68.0047, 87.3263,

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

68.0047, 87.3263, 50.3172

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

81.4807, 87.0552, 107.1166

Trichromacy



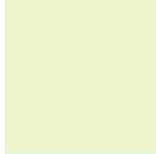
Original Color

68.0047, 87.3263, 50.3172



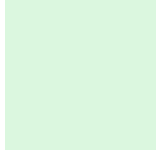
Protanomaly

75.6133, 86.5237, 54.8350



Deuteranomaly

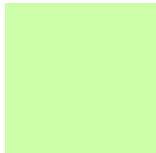
77.6363, 86.3700, 68.4563



Tritanomaly

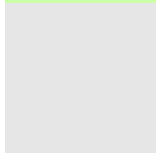
75.7935, 86.9093, 82.5925

Monochromacy



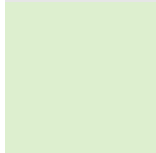
Original Color

68.0047, 87.3263, 50.3172



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9478, 81.6101, 70.9918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0047, 87.3263, 50.3172 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(205, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 168)  
}
```

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(205, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 68.0047, 87.3263, 50.3172 is called "border". The border property can be set on classes, ids or directly on the HTML element.

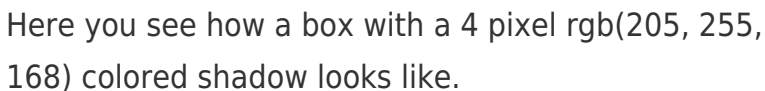
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 168) }
```


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

```
.border{ border-color:rgb(205, 255, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0047, 87.3263, 50.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 168) }
```

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

```
.background{ background-color: rgb(205,  
255, 168) }
```

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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