

Converting Colors

XYZ(68.7438, 82.9672, 52.5681)

Have a look what the booklet for
XYZ(68.7438, 82.9672, 52.5681)
contains.

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Color

**XYZ(68.6113, 82.9597,
52.4410)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F5AE
RGB	216, 245, 174
RGB Percent	85%, 96%, 68%
CMY	0.1529, 0.0392, 0.3176
CMYK	0.12, 0.00, 0.29, 0.04
HSL	85°, 78%, 82%
HSV	85°, 29%, 96%
XYZ	68.6113, 82.9597, 52.4410
YIQ	228.2350, 5.5070, -28.2290

Conversions

Conversions Part 2

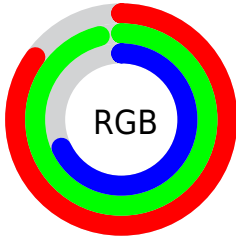
Format	Color
RYB	174, 245, 203
Decimal	14218670
CIELab	93.00, -21.29, 31.15
CIELCh	93, 37.732, 124.343
Yxy	82.9597, 0.3363, 0.4066
Android (android.graphics.Color)	4292408750 (0xFFD8F5AE)
YUV	228.2350, -26.7379, -10.7301
Hunter-Lab	91.0822, -24.9317, 29.6211

Details

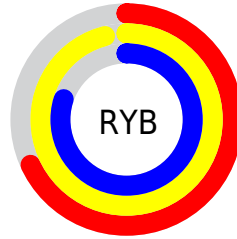
The XYZ color **68.6113, 82.9597, 52.4410** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.2493, 49.5634, 92.9927**, and the grayscale version is **74.1035, 77.9626, 84.9013**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **36.1460, 45.2493, 24.9180** is the 20% darker color. If you saturate the color by 10%, you get **63.5705, 80.6149, 40.8540**, and if you desaturate by 10%, it is **74.2722, 85.5789, 66.3345**.

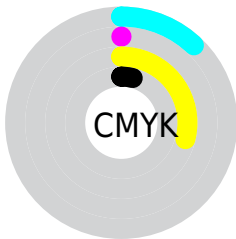
Distribution



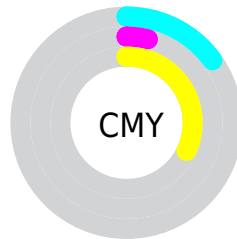
- Red (85%)
- Green (96%)
- Blue (68%)



- Red (68%)
- Yellow (96%)
- Blue (80%)



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6113, 82.9597, 52.4410 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 68.6113, 82.9597, 52.4410 by changing the saturation by 10% instead.


 68.6113, 82.9597,
52.4410

 68.6113, 82.9597,
52.4410


445.0017,
504.8522, 413.1421

 50.6707, 62.1569,
36.9720


 116.2633,
137.5190, 95.2145

 36.1666, 45.1595,
24.8902


146.7055,
172.0443, 123.3561

 24.7336, 31.5831,
15.7770

182.0455,
211.9126, 156.5590

 16.0064, 21.0432,
9.2139

222.6488,
257.5082, 195.2418

 9.6195, 13.1556,
4.7822

268.8808,
309.2156, 239.8229

 5.2077, 7.5358,
2.0636

321.1066,

 2.4057, 3.7994,

367.4191, 290.7210

0.5940

379.6918,
432.5032, 348.3545

■ 0.8479, 1.5620,
0.0000

■ 0.0000, 0.3318,
0.0000

■ 68.6113, 82.9597,
52.4410

■ 68.6113, 82.9597,
52.4410

■ 63.5705, 80.6149,
40.8540

■ 74.2722, 85.5789,
66.3345

■ 59.1166, 78.5225,
31.4430

■ 80.5718, 88.4720,
82.6447

■ 55.2224, 76.6740,
24.0731

■ 87.5357, 91.6523,
101.4810

■ 51.8556, 75.0562,
18.5917

■ 91.9441, 93.7882,
107.8647

■ 48.9799, 73.6541,
14.8252

■ 46.5525, 72.4502,
12.5676

■ 44.5114, 71.4193,
11.5111

■ 44.3172, 71.3208,
11.4305

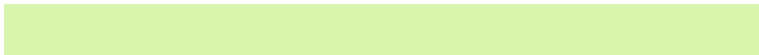
Harmonies

Analogous

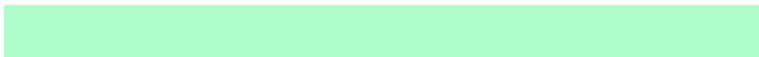
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4207, 82.9597, 46.2132



68.6113, 82.9597, 52.4410



62.9357, 82.9597, 68.7597

Triad

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



68.6113, 82.9597, 52.4410



70.9077, 82.9597, 148.7850



99.3516, 82.9597, 86.2710

Complementary

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



68.6113, 82.9597, 52.4410



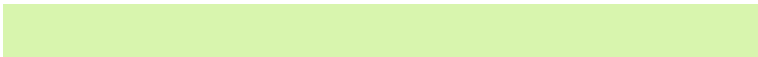
56.2493, 49.5634, 92.9927

Split Complementary

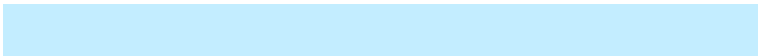
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2452, 82.9597, 115.9943



68.6113, 82.9597, 52.4410



80.2982, 82.9597, 156.1679

Square

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



68.6113, 82.9597, 52.4410



64.1818, 82.9597, 124.6316



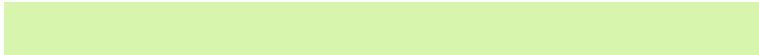
90.0613, 82.9597, 143.1119



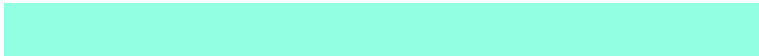
95.6000, 82.9597, 62.9799

Rectangle

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



68.6113, 82.9597, 52.4410



61.4159, 82.9597, 85.0714



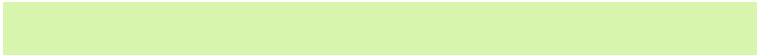
90.0613, 82.9597, 143.1119



99.3074, 82.9597, 95.7990

Sweetspot

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



68.6134, 82.9633, 52.4428



88.2072, 96.8741, 90.4307



66.5137, 64.9003, 49.0669



18.6552, 20.6321, 18.7625



0.0000, 0.0000, 0.0000



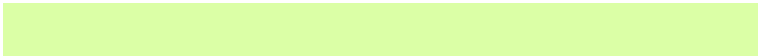
20.3446, 21.4041, 23.3091

Same Dimension

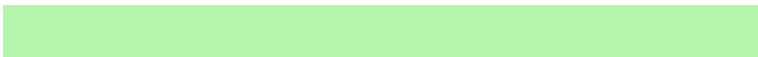
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6134, 82.9633, 52.4428



71.6956, 89.2530, 49.4051



59.3744, 78.2005, 52.0104



17.2219, 18.9565, 17.5488



24.0343, 38.5030, 6.1651



2.2287, 3.4440, 0.5473

Inverse Universe

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



56.2493, 49.5634, 92.9927



56.0544, 46.9873, 100.7228



66.8469, 55.0267, 93.4887



16.2222, 16.2572, 20.8255



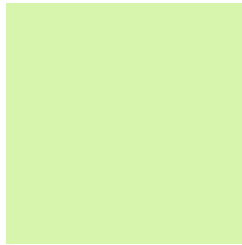
11.8627, 5.0898, 46.8952



1.1561, 0.5058, 4.1269

Previews

White Background



This preview shows how the XYZ color 68.6113, 82.9597, 52.4410 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 68.6113, 82.9597, 52.4410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

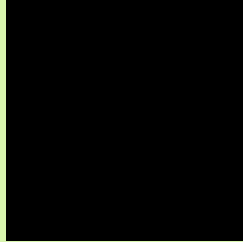
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

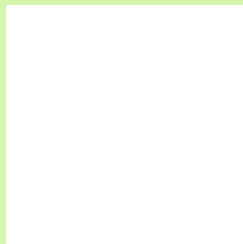
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6113, 82.9597, 52.4410

Background



This preview shows how black text looks on a background with the XYZ color 68.6113, 82.9597, 52.4410.

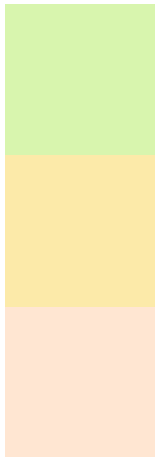


This preview shows how white text looks on a background with the XYZ color 68.6113, 82.9597,

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

68.6113, 82.9597, 52.4410

Protanopia

76.7291, 82.4057, 49.3979

Deuteranopia

81.1697, 82.5068, 72.6201



Tritanopia

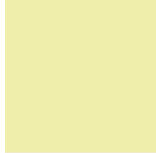
79.1165, 82.8394, 104.7482

Trichromacy



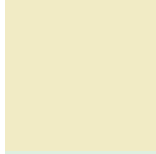
Original Color

68.6113, 82.9597, 52.4410



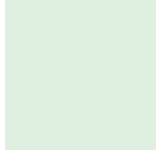
Protanomaly

73.5218, 82.4401, 50.5656



Deuteranomaly

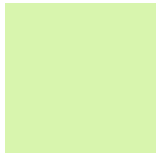
76.0620, 82.1487, 64.6707



Tritanomaly

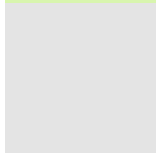
74.7525, 82.8028, 82.5637

Monochromacy



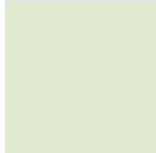
Original Color

68.6113, 82.9597, 52.4410



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.5485, 79.2470, 71.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6113, 82.9597, 52.4410 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, 245, 174)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 174)  
}
```

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, 245, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 174) }
```

Border

The CSS property to change the border of an element to XYZ 68.6113, 82.9597, 52.4410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

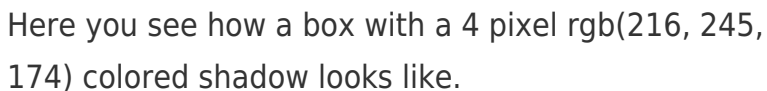
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 245, 174) }
```


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

```
.border{ border-color:rgb(216, 245, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 245, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 245, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 245, 174); box-shadow:4px 4px 4px 4px rgb(216, 245, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6113, 82.9597, 52.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 174) }
```

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

```
.background{ background-color: rgb(216,  
245, 174) }
```

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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