

Converting Colors

XYZ(68.5081, 82.2473, 53.8599)

Have a look what the booklet for
XYZ(68.5081, 82.2473, 53.8599)
contains.

XYZ(68.6054, 82.4746, 53.8983)	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(68.6054, 82.4746,
53.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F4B1
RGB	216, 244, 177
RGB Percent	85%, 96%, 69%
CMY	0.1529, 0.0431, 0.3059
CMYK	0.11, 0.00, 0.27, 0.04
HSL	85°, 75%, 83%
HSV	85°, 27%, 96%
XYZ	68.6054, 82.4746, 53.8983
YIQ	227.9900, 4.8190, -26.7730

Conversions

Conversions Part 2

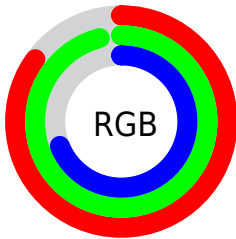
Format	Color
RYB	177, 244, 205
Decimal	14218417
CIELab	92.78, -20.38, 29.35
CIELCh	93, 35.731, 124.779
Yxy	82.4746, 0.3347, 0.4024
Android (android.graphics.Color)	4292408497 (0xFFD8F4B1)
YUV	227.9900, -25.1381, -10.5152
Hunter-Lab	90.8155, -24.0817, 28.3827

Details

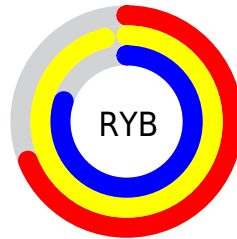
The XYZ color **68.6054, 82.4746, 53.8983** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2314, 50.9574, 92.4118**, and the grayscale version is **73.9130, 77.7622, 84.6830**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.3193, 44.9987, 25.8402** is the 20% darker color. If you saturate the color by 10%, you get **63.4680, 80.0850, 42.0777**, and if you desaturate by 10%, it is **74.3690, 85.1418, 68.0215**.

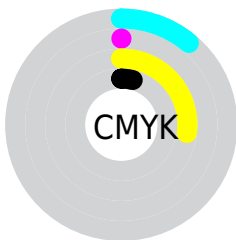
Distribution



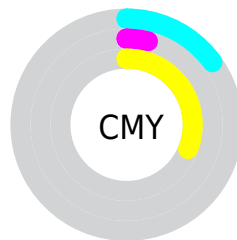
- Red (85%)
- Green (96%)
- Blue (69%)



- Red (69%)
- Yellow (96%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6054, 82.4746, 53.8983 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 68.6054, 82.4746, 53.8983 by changing the saturation by 10% instead.


 68.6054, 82.4746,
53.8983

 68.6054, 82.4746,
53.8983


444.9812,
503.2338, 418.8857

 50.6659, 61.7568,
38.1277


 116.2550,
136.8394, 97.3798

 36.1627, 44.8362,
25.7792


146.6957,
171.2551, 125.9278

 24.7306, 31.3284,
16.4343


182.0342,
211.0056, 159.5721

 16.0041, 20.8491,
9.6743

222.6359,
256.4754, 198.7311

 9.6179, 13.0137,
5.0808

268.8661,
308.0486, 243.8234

 5.2067, 7.4380,
2.2352

321.0901,

 2.4050, 3.7375,

366.1099, 295.2676

0.6946

379.6734,
431.0435, 353.4822

■ 0.8476, 1.5278,
0.0000

■ 0.0000, 0.3082,
0.0000

■ 68.6054, 82.4746,
53.8983

■ 68.6054, 82.4746,
53.8983

■ 63.4680, 80.0850,
42.0777

■ 74.3690, 85.1418,
68.0215

■ 58.9239, 77.9512,
32.4321

■ 80.7772, 88.0860,
84.5551

■ 54.9464, 76.0649,
24.8297

■ 87.8553, 91.3205,
103.6065

■ 51.5038, 74.4130,
19.1223

■ 91.6424, 93.1848,
107.7641

■ 48.5606, 72.9808,
15.1417

■ 46.0755, 71.7513,
12.6897

■ 43.9949, 70.7028,
11.5062

■ 43.5112, 70.4573,
11.3063

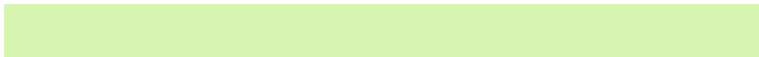
Harmonies

Analogous

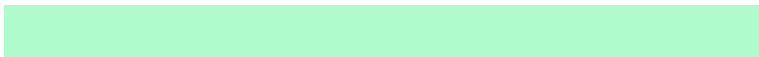
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9061, 82.4746, 47.7513



68.6054, 82.4746, 53.8983



63.2694, 82.4746, 69.6588

Triad

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



68.6054, 82.4746, 53.8983



70.9988, 82.4746, 144.6932



97.6383, 82.4746, 85.5924

Complementary

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



68.6054, 82.4746, 53.8983



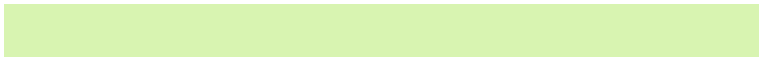
57.2314, 50.9574, 92.4118

Split Complementary

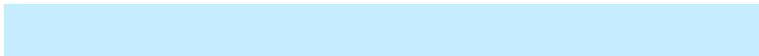
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7452, 82.4746, 113.4934



68.6054, 82.4746, 53.8983



79.8922, 82.4746, 151.2694

Square

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



68.6054, 82.4746, 53.8983



64.5725, 82.4746, 122.3727



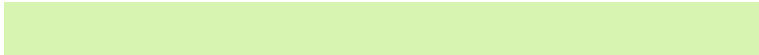
89.0625, 82.4746, 138.8956



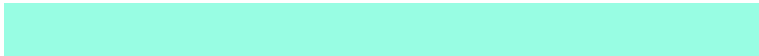
94.0493, 82.4746, 63.5915

Rectangle

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



68.6054, 82.4746, 53.8983



61.8635, 82.4746, 85.2111



89.0625, 82.4746, 138.8956



97.6244, 82.4746, 94.5524

Sweetspot

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



68.6075, 82.4782, 53.9001



88.8700, 97.1736, 92.3670



67.0585, 66.0331, 50.8075



18.7845, 20.6903, 19.1479



0.0000, 0.0000, 0.0000



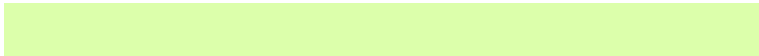
20.3446, 21.4041, 23.3091

Same Dimension

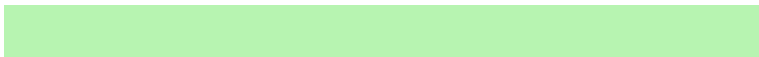
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6075, 82.4782, 53.9001



72.5597, 89.6434, 51.9318



59.7185, 77.8958, 53.4841



17.2063, 18.9484, 17.5481



23.8170, 38.3909, 6.1549



2.2102, 3.4345, 0.5464

Inverse Universe

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



57.2314, 50.9574, 92.4118



58.0442, 49.4141, 101.0864



67.4544, 56.2275, 92.8902



16.2375, 16.2651, 20.8262



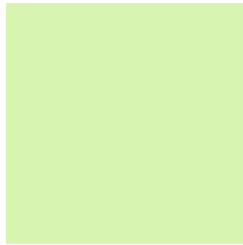
12.0047, 5.1630, 46.9019



1.1694, 0.5127, 4.1276

Previews

White Background



This preview shows how the XYZ color 68.6054, 82.4746, 53.8983 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 68.6054, 82.4746, 53.8983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

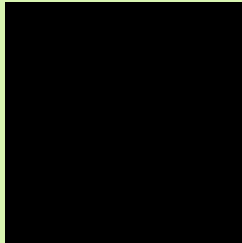
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

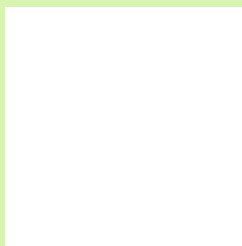
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6054, 82.4746, 53.8983

Background



This preview shows how black text looks on a background with the XYZ color 68.6054, 82.4746, 53.8983.

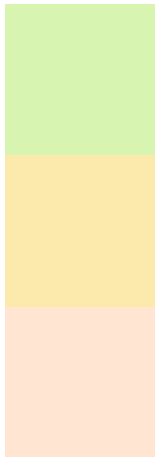


This preview shows how white text looks on a background with the XYZ color 68.6054, 82.4746,

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

68.6054, 82.4746, 53.8983

Protanopia

76.6529, 82.3334, 50.8816

Deuteranopia

80.8922, 81.9518, 72.5276



Tritanopia

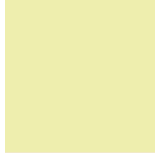
78.8310, 82.2684, 104.6531

Trichromacy



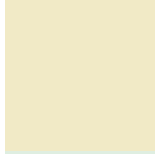
Original Color

68.6054, 82.4746, 53.8983



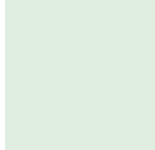
Protanomaly

73.4744, 82.3822, 52.0732



Deuteranomaly

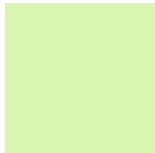
75.8915, 81.6236, 65.1811



Tritanomaly

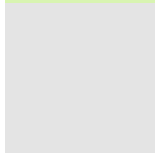
74.5966, 82.2733, 83.1828

Monochromacy



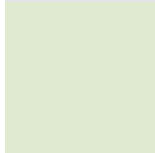
Original Color

68.6054, 82.4746, 53.8983



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.6719, 79.2964, 71.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6054, 82.4746, 53.8983 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, 244, 177)` looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 177)  
}
```

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, 244, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 177) }
```

Border

The CSS property to change the border of an element to XYZ 68.6054, 82.4746, 53.8983 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, 244, 177) }
```


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

```
.border{ border-color:rgb(216, 244, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 244, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 177);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6054, 82.4746, 53.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 177) }
```

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

```
.background{ background-color: rgb(216,  
244, 177) }
```

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