

Converting Colors

XYZ(68.8397, 81.9147, 62.6368)

Have a look what the booklet for
XYZ(68.8397, 81.9147, 62.6368)
contains.

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Color

**XYZ(68.8276, 81.9485,
62.6421)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F3C1
RGB	212, 243, 193
RGB Percent	83%, 95%, 76%
CMY	0.1686, 0.0470, 0.2431
CMYK	0.13, 0.00, 0.21, 0.05
HSL	97°, 68%, 85%
HSV	97°, 21%, 95%
XYZ	68.8276, 81.9485, 62.6421
YIQ	228.0310, -2.4260, -22.1220

Conversions

Conversions Part 2

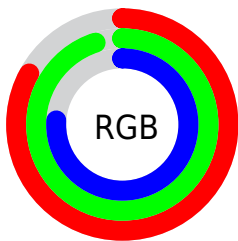
Format	Color
RYB	193, 243, 224
Decimal	13956033
CIELab	92.55, -18.90, 20.82
CIELCh	93, 28.117, 132.233
Yxy	81.9485, 0.3225, 0.3840
Android (android.graphics.Color)	4292146113 (0xFFD4F3C1)
YUV	228.0310, -17.2703, -14.0592
Hunter-Lab	90.5254, -22.7037, 22.3401

Details

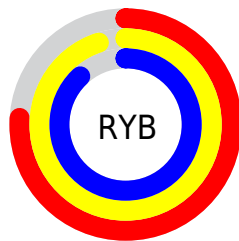
The XYZ color **68.8276, 81.9485, 62.6421** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.9914, 60.4606, 92.9904**, and the grayscale version is **73.8910, 77.7391, 84.6579**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **36.3352, 44.5728, 31.1144** is the 20% darker color. If you saturate the color by 10%, you get **62.1942, 78.8192, 49.3250**, and if you desaturate by 10%, it is **76.3162, 85.4721, 78.3277**.

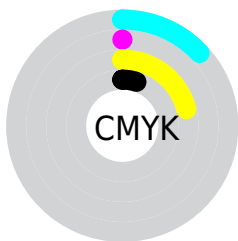
Distribution



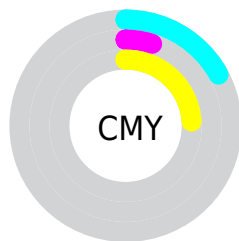
- Red (83%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8276, 81.9485, 62.6421 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 68.8276, 81.9485, 62.6421 by changing the saturation by 10% instead.

68.8276, 81.9485,
62.6421

68.8276, 81.9485,
62.6421

445.7536,
501.4754, 452.3416

50.8475, 61.3231,
45.1126

116.5707,
136.1018, 110.2336

36.3078, 44.4860,
31.2025

147.0644,
170.3984, 141.1327

24.8432, 31.0527,
20.4934

182.4600,
210.0210, 177.3253

16.0884, 20.6390,
12.5665

223.1228,
255.3537, 219.2301

9.6780, 12.8604,
7.0036

269.4182,
306.7812, 267.2656

5.2466, 7.3325,
3.3858

321.7116,

2.4289, 3.6709,

364.6877, 321.8503

1.2949

380.3682,
429.4576, 383.4028

■ 0.8595, 1.4912,
0.0576

■ 0.0000, 0.2825,
0.0000

■ 68.8276, 81.9485,
62.6421

■ 68.8276, 81.9485,
62.6421

■ 62.1942, 78.8192,
49.3250

■ 76.3162, 85.4721,
78.3277

■ 56.3767, 76.0592,
38.2560

■ 84.6844, 89.3928,
96.4834

■ 51.3423, 73.6566,
29.3124

■ 91.3423, 92.5845,
107.6641

■ 47.0529, 71.5948,
22.3573

■ 43.4671, 69.8558,
17.2382

■ 40.5383, 68.4195,
13.7801

■ 38.2127, 67.2626,
11.7742

■ 36.4990, 66.3969,
10.8922

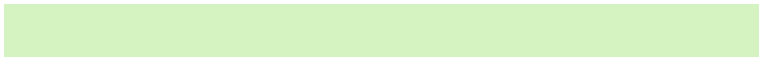
Harmonies

Analogous

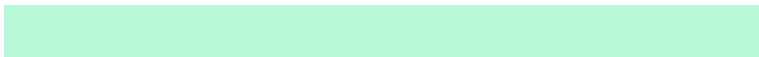
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9520, 81.9485, 55.4148



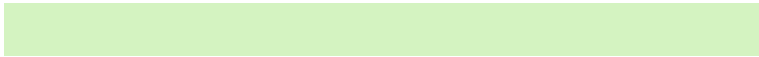
68.8276, 81.9485, 62.6421



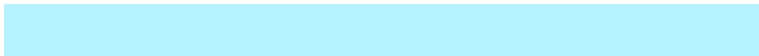
65.2683, 81.9485, 77.5109

Triad

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



68.8276, 81.9485, 62.6421



73.6830, 81.9485, 133.2642



92.4340, 81.9485, 80.9753

Complementary

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



68.8276, 81.9485, 62.6421



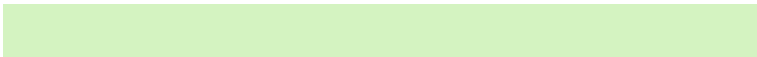
65.9914, 60.4606, 92.9904

Split Complementary

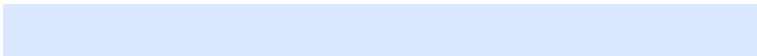
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0413, 81.9485, 102.0701



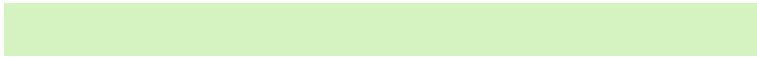
68.8276, 81.9485, 62.6421



80.9030, 81.9485, 134.5813

Square

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



68.8276, 81.9485, 62.6421



67.9487, 81.9485, 119.0792



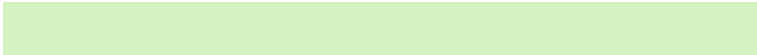
87.7140, 81.9485, 122.4377



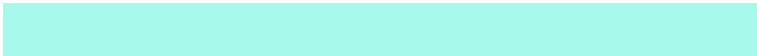
88.7556, 81.9485, 64.8356

Rectangle

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



68.8276, 81.9485, 62.6421



64.6843, 81.9485, 90.8043



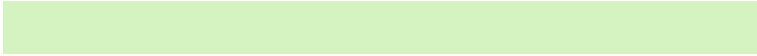
87.7140, 81.9485, 122.4377



92.7799, 81.9485, 87.6700

Sweetspot

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



68.8298, 81.9520, 62.6439



89.2791, 97.2984, 96.2796



73.2019, 76.1300, 61.2897



18.9796, 20.7650, 20.3270



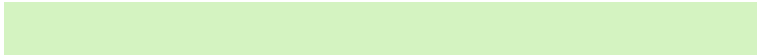
0.0000, 0.0000, 0.0000



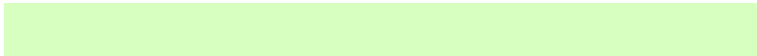
20.3446, 21.4041, 23.3091

Same Dimension

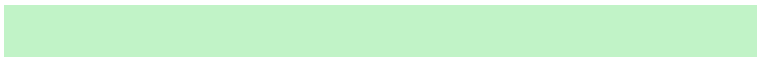
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8298, 81.9520, 62.6439



73.3546, 89.8112, 62.9037



64.3348, 79.5581, 65.8984



16.8773, 18.7788, 17.5327



20.1691, 36.5104, 5.9842



1.8832, 3.2659, 0.5311

Inverse Universe

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



65.9914, 60.4606, 92.9904



69.6188, 61.5428, 102.8174



71.3457, 63.3210, 88.7143



16.5681, 16.4355, 20.8417



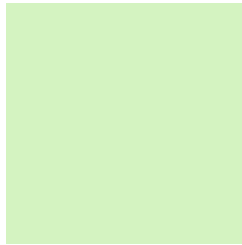
16.0048, 7.2251, 47.0891



1.5208, 0.6938, 4.1440

Previews

White Background



This preview shows how the XYZ color 68.8276, 81.9485, 62.6421 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 68.8276, 81.9485, 62.6421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

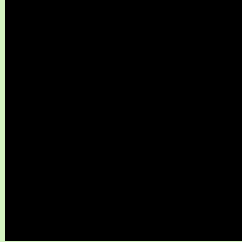
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

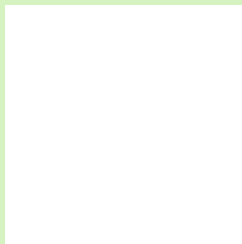
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8276, 81.9485, 62.6421

Background



This preview shows how black text looks on a background with the XYZ color 68.8276, 81.9485, 62.6421.

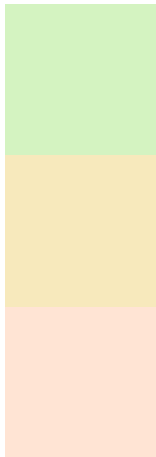


This preview shows how white text looks on a background with the XYZ color 68.8276, 81.9485,

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

68.8276, 81.9485, 62.6421

Protanopia

76.5738, 81.6828, 59.3074

Deuteranopia

80.8671, 81.5003, 73.7563



Tritanopia

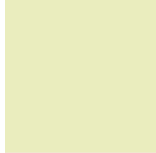
77.2567, 81.8807, 104.6612

Trichromacy



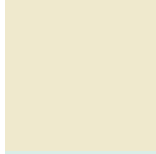
Original Color

68.8276, 81.9485, 62.6421



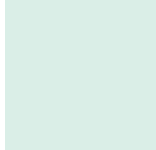
Protanomaly

73.5101, 81.7785, 60.6256



Deuteranomaly

75.7550, 81.0363, 69.4065



Tritanomaly

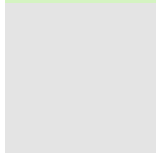
73.9118, 81.8240, 87.4994

Monochromacy



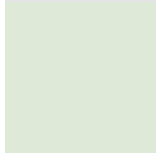
Original Color

68.8276, 81.9485, 62.6421



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.5289, 78.7137, 75.7133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8276, 81.9485, 62.6421 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(212, 243, 193)` looks like.

```
.text, #text, p{  
    color:rgb(212, 243, 193)  
}
```

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(212, 243, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 243, 193) }
```

Border

The CSS property to change the border of an element to XYZ 68.8276, 81.9485, 62.6421 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(212, 243, 193) }
```


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

```
.border{ border-color:rgb(212, 243, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 243, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 243, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 243, 193);  
box-shadow:4px 4px 4px 4px rgb(212, 243,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8276, 81.9485, 62.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 243, 193) }
```

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

```
.background{ background-color: rgb(212,  
243, 193) }
```

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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