

Converting Colors

XYZ(69.4935, 83.0972, 62.8292)

Have a look what the booklet for
XYZ(69.4935, 83.0972, 62.8292)
contains.

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Color

**XYZ(69.4294, 83.1521,
62.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F5C1
RGB	212, 245, 193
RGB Percent	83%, 96%, 76%
CMY	0.1686, 0.0392, 0.2431
CMYK	0.13, 0.00, 0.21, 0.04
HSL	98°, 72%, 86%
HSV	98°, 21%, 96%
XYZ	69.4294, 83.1521, 62.8427
YIQ	229.2050, -2.9760, -23.1680

Conversions

Conversions Part 2

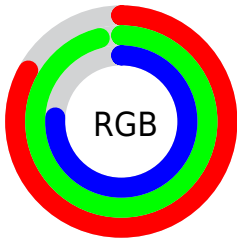
Format	Color
RYB	193, 245, 226
Decimal	13956545
CIELab	93.08, -19.87, 21.55
CIELCh	93, 29.317, 132.679
Yxy	83.1521, 0.3223, 0.3860
Android (android.graphics.Color)	4292146625 (0xFFD4F5C1)
YUV	229.2050, -17.8491, -15.0888
Hunter-Lab	91.1878, -23.6706, 22.9713

Details

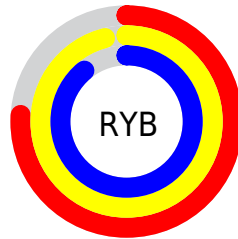
The XYZ color **69.4294, 83.1521, 62.8427** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9188, 60.9036, 94.6192**, and the grayscale version is **74.7578, 78.6511, 85.6510**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **36.7624, 45.4274, 31.2569** is the 20% darker color. If you saturate the color by 10%, you get **62.6513, 79.9504, 49.4211**, and if you desaturate by 10%, it is **77.0964, 86.7647, 78.6728**.

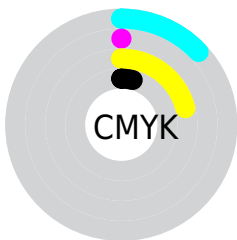
Distribution



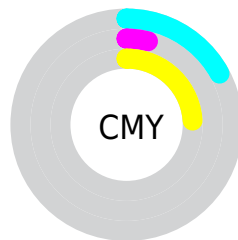
- Red (83%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (89%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)



- Cyan (17%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4294, 83.1521, 62.8427 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 69.4294, 83.1521, 62.8427 by changing the saturation by 10% instead.

69.4294, 83.1521,
62.8427

69.4294, 83.1521,
62.8427

447.8417,
505.4933, 453.0906

51.3394, 62.3156,
45.2738

117.4254,
137.7885, 110.5259

36.7009, 45.2878,
31.3286

148.0621,
172.3572, 141.4773

25.1486, 31.6842,
20.5886

183.6118,
212.2721, 177.7266

16.3171, 21.1204,
12.6353

224.4397,
257.9175, 219.6924

9.8411, 13.2120,
7.0502

270.9113,
309.6780, 267.7931

5.3552, 7.5747,
3.4146

323.3920,

2.4940, 3.8240,

367.9379, 322.4474

1.3100

382.2470,
433.0815, 384.0737

■ 0.8922, 1.5756,
0.0700

■ 0.0000, 0.3411,
0.0000

■ 69.4294, 83.1521,
62.8427

■ 69.4294, 83.1521,
62.8427

■ 62.6513, 79.9504,
49.4211

■ 77.0964, 86.7647,
78.6728

■ 56.7212, 77.1337,
38.2847

■ 85.6783, 90.7916,
97.0157

■ 51.6044, 74.6893,
29.3074

■ 91.9441, 93.7882,
107.8647

■ 47.2610, 72.5997,
22.3487

■ 43.6473, 70.8458,
17.2515

■ 40.7143, 69.4064,
13.8356

■ 38.4053, 68.2568,
11.8847

■ 36.8230, 67.4573,
11.0798

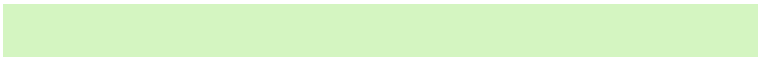
Harmonies

Analogous

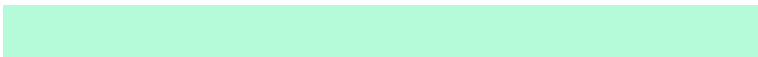
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8329, 83.1521, 55.1948



69.4294, 83.1521, 62.8427



65.7436, 83.1521, 78.5089

Triad

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



69.4294, 83.1521, 62.8427



74.7133, 83.1521, 137.2715



94.3521, 83.1521, 81.5597

Complementary

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



69.4294, 83.1521, 62.8427



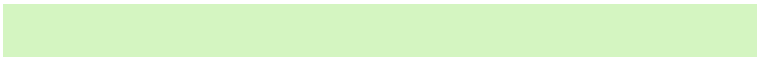
66.9188, 60.9036, 94.6192

Split Complementary

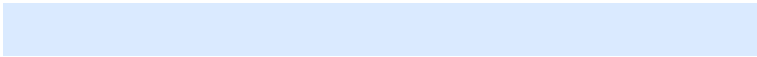
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0037, 83.1521, 103.7381



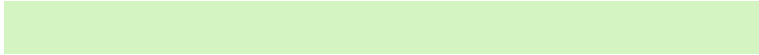
69.4294, 83.1521, 62.8427



82.3231, 83.1521, 138.4462

Square

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



69.4294, 83.1521, 62.8427



68.6557, 83.1521, 122.3800



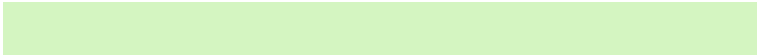
89.4850, 83.1521, 125.3684



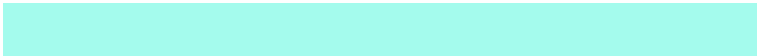
90.4079, 83.1521, 64.7629

Rectangle

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



69.4294, 83.1521, 62.8427



65.1666, 83.1521, 92.5320



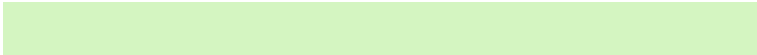
89.4850, 83.1521, 125.3684



94.7401, 83.1521, 88.5739

Sweetspot

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



69.4316, 83.1557, 62.8445



89.2010, 97.2581, 96.2759



74.4634, 77.6226, 61.5113



18.9612, 20.7555, 20.3261



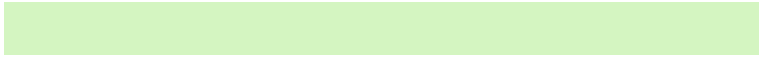
0.0000, 0.0000, 0.0000



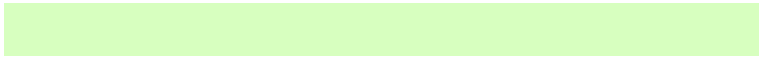
20.3446, 21.4041, 23.3091

Same Dimension

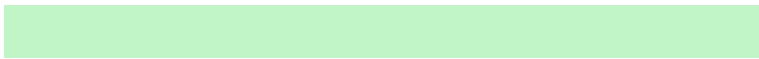
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4316, 83.1557, 62.8445



73.0810, 89.6702, 62.8909



65.0648, 80.8130, 66.7735



16.8538, 18.7667, 17.5316



19.9750, 36.4103, 5.9751



1.8644, 3.2562, 0.5302

Inverse Universe

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



66.9188, 60.9036, 94.6192



69.9199, 61.6980, 102.8315



72.1717, 63.7316, 89.4417



16.5924, 16.4480, 20.8428



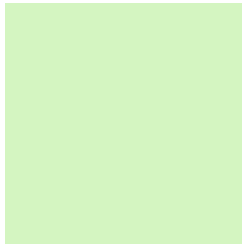
16.3694, 7.4131, 47.1061



1.5513, 0.7096, 4.1454

Previews

White Background



This preview shows how the XYZ color 69.4294, 83.1521, 62.8427 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 69.4294, 83.1521, 62.8427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

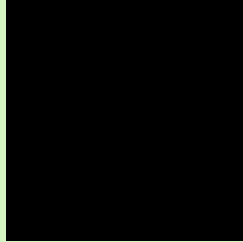
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

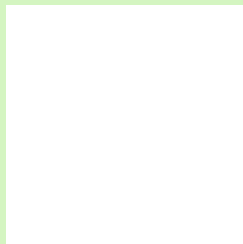
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4294, 83.1521, 62.8427

Background



This preview shows how black text looks on a background with the XYZ color 69.4294, 83.1521, 62.8427.



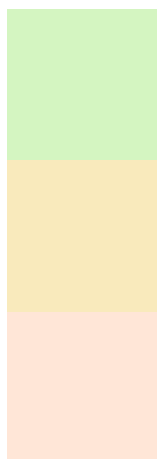
This preview shows how white text looks on a background with the XYZ color 69.4294, 83.1521,

62.8427.

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

69.4294, 83.1521, 62.8427

Protanopia

77.5668, 82.6162, 59.4353

Deuteranopia

81.8026, 82.7599, 75.9528



Tritanopia

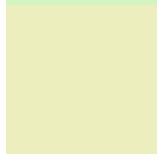
78.4584, 83.3180, 106.5545

Trichromacy



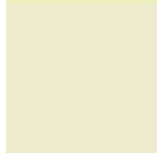
Original Color

69.4294, 83.1521, 62.8427



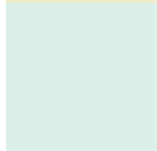
Protanomaly

74.4609, 82.6996, 60.7533



Deuteranomaly

76.5674, 82.2724, 70.8761



Tritanomaly

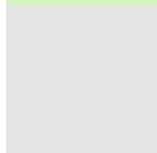
74.6390, 83.0518, 88.4406

Monochromacy



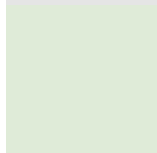
Original Color

69.4294, 83.1521, 62.8427



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.5344, 80.0625, 76.5964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4294, 83.1521, 62.8427 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, 245, 193) looks like.

```
.text, #text, p{  
    color:rgb(212, 245, 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, 245, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 245, 193) }
```

Border

The CSS property to change the border of an element to XYZ 69.4294, 83.1521, 62.8427 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, 245, 193) }
```


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

```
.border{ border-color:rgb(212, 245, 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, 245, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 245, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 245, 193);  
box-shadow:4px 4px 4px 4px rgb(212, 245,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4294, 83.1521, 62.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 245, 193) }
```

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

```
.background{ background-color: rgb(212,  
245, 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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