

Converting Colors

XYZ(78.9864, 93.3482, 69.3439)

Have a look what the booklet for
XYZ(78.9864, 93.3482, 69.3439)
contains.

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Color

**XYZ(78.2975, 92.2310,
68.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFC9
RGB	228, 255, 201
RGB Percent	89%, 100%, 79%
CMY	0.1059, 0.0000, 0.2118
CMYK	0.11, 0.00, 0.21, 0.00
HSL	90°, 100%, 89%
HSV	90°, 21%, 100%
XYZ	78.2975, 92.2310, 68.9340
YIQ	240.7710, 1.2420, -22.5180

Conversions

Conversions Part 2

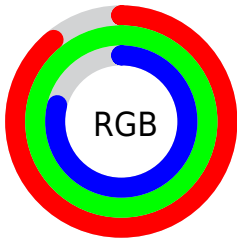
Format	Color
R _Y B	201, 255, 228
Decimal	15007689
CIE Lab	96.91, -17.99, 22.95
CIE LCh	97, 29.158, 128.093
Yxy	92.2310, 0.3270, 0.3852
Android (android.graphics.Color)	4293197769 (0xFFE4FFC9)
YUV	240.7710, -19.6071, -11.2002
Hunter-Lab	96.0370, -22.5363, 24.6683

Details

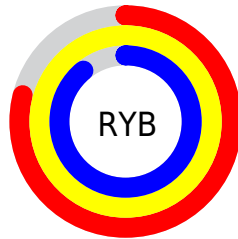
The XYZ color **78.2975, 92.2310, 68.9340** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9325, 65.4885, 103.5097**, and the grayscale version is **83.5770, 87.9295, 95.7553**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4738, 51.2654, 35.2604** is the 20% darker color. If you saturate the color by 10%, you get **71.6453, 89.1200, 54.2423**, and if you desaturate by 10%, it is **85.7472, 95.6956, 86.2651**.

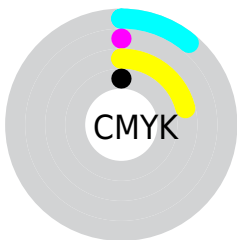
Distribution



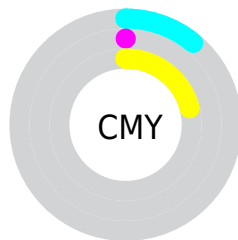
- Red (89%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.2975, 92.2310, 68.9340 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 78.2975, 92.2310, 68.9340 by changing the saturation by 10% instead.


 78.2975, 92.2310,
68.9340

 78.2975, 92.2310,
68.9340


478.0010,
535.2618, 475.4858

 58.6220, 69.8325,
50.1865


129.9326,
150.4335, 119.3541

 42.5541, 51.3900,
35.1894


162.6229,
187.0063, 151.8639

 29.7284, 36.5191,
23.5241


200.3822,
229.0727, 189.7981

 19.7796, 24.8354,
14.7721

243.5758,
277.0170, 233.5754

 12.3423, 15.9544,
8.5147

292.5692,
331.2237, 283.6143

 7.0511, 9.4919,
4.3336

347.7276,

 3.5407, 5.0634,

392.0771, 340.3333

1.8101

409.4164,
459.9617, 404.1509

■ 1.4457, 2.2845,
0.4346

■ 0.2884, 0.7655,
0.0000

■ 78.2975, 92.2310,
68.9340

■ 78.2975, 92.2310,
68.9340

■ 71.6453, 89.1200,
54.2423

■ 85.7472, 95.6956,
86.2651

■ 65.7580, 86.3486,
42.0562

■ 94.0217, 99.5252,
106.3521

■ 60.6029, 83.9030,
32.2365

■ 95.0500, 100.0000,
108.9000

■ 56.1438, 81.7681,
24.6287

■ 52.3409, 79.9269,
19.0598

■ 49.1491, 78.3607,
15.3312

■ 46.5155, 77.0474,
13.2047

■ 44.5869, 76.0704,
12.3331

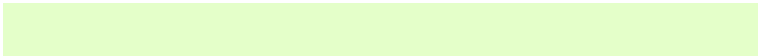
Harmonies

Analogous

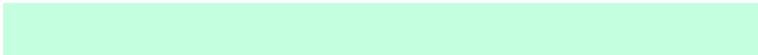
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4633, 92.2310, 62.0481



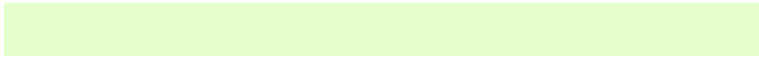
78.2975, 92.2310, 68.9340



73.8426, 92.2310, 84.5124

Triad

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



78.2975, 92.2310, 68.9340



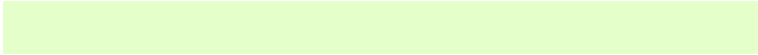
81.9150, 92.2310, 148.3743



104.2046, 92.2310, 94.2043

Complementary

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



78.2975, 92.2310, 68.9340



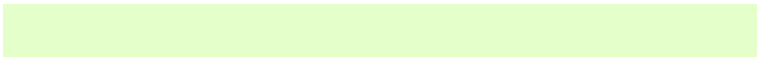
70.9325, 65.4885, 103.5097

Split Complementary

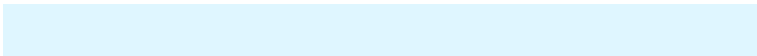
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.1080, 92.2310, 118.2168



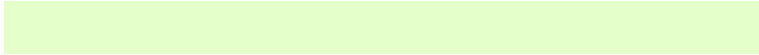
78.2975, 92.2310, 68.9340



89.8997, 92.2310, 152.0477

Square

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



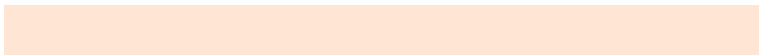
78.2975, 92.2310, 68.9340



75.8388, 92.2310, 130.9131



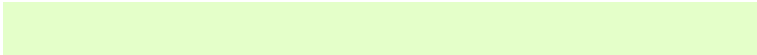
97.7466, 92.2310, 140.2852



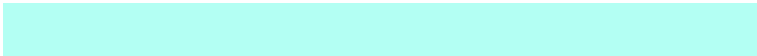
100.6561, 92.2310, 75.0792

Rectangle

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



78.2975, 92.2310, 68.9340



72.8403, 92.2310, 98.9302



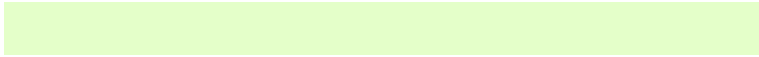
97.7466, 92.2310, 140.2852



104.3710, 92.2310, 101.9326

Sweetspot

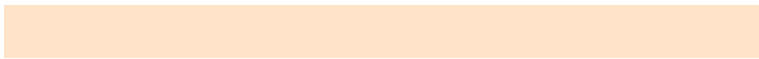
The Sweet Spot groups the original color and five complimentary colors.



78.2981, 92.2313, 68.9354



89.9249, 97.6313, 96.3098



79.5266, 80.9646, 66.6959



19.1321, 20.8437, 20.3341



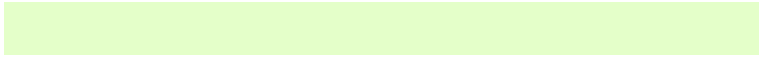
0.0000, 0.0000, 0.0000



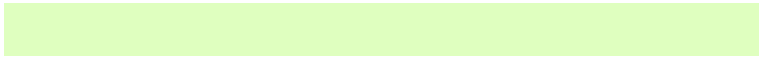
20.3446, 21.4041, 23.3091

Same Dimension

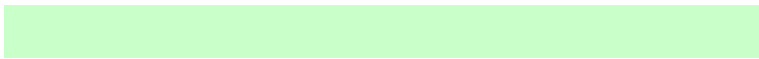
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2981, 92.2313, 68.9354



75.6614, 91.0004, 63.0116



70.3909, 88.1550, 68.5653



18.6369, 20.6143, 19.1410



23.4698, 39.8372, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



70.9325, 65.4885, 103.5097



67.2054, 60.2986, 102.7044



80.1772, 70.2543, 103.9424



17.8684, 17.8239, 22.7485



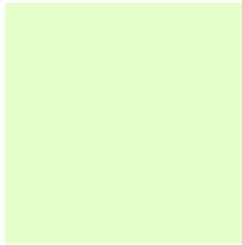
14.2161, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 78.2975, 92.2310, 68.9340 looks on a white background.

Color Contrast Check

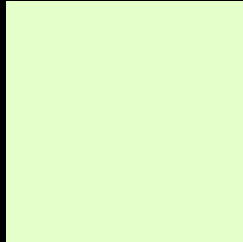
Large Text (above 18pt) WCAG AA × Fail

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 78.2975, 92.2310, 68.9340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

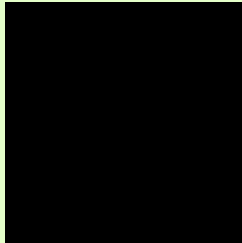
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

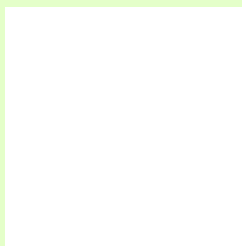
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2975, 92.2310, 68.9340

Background



This preview shows how black text looks on a background with the XYZ color 78.2975, 92.2310, 68.9340.



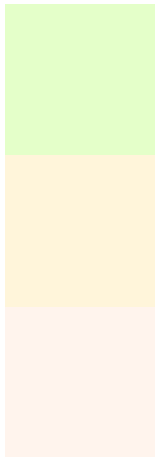
This preview shows how white text looks on a background with the XYZ color 78.2975, 92.2310,

68.9340.

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

78.2975, 92.2310, 68.9340

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

88.8767, 92.0758, 93.2089

Tritanopia

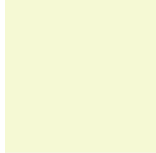
87.6237, 92.0088, 107.7489

Trichromacy



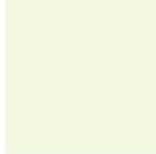
Original Color

78.2975, 92.2310, 68.9340



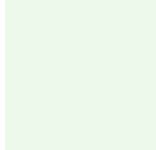
Protanomaly

83.4155, 91.9173, 75.6327



Deuteranomaly

84.6781, 91.9291, 83.8021



Tritanomaly

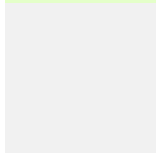
83.7961, 91.7540, 91.8910

Monochromacy



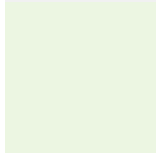
Original Color

78.2975, 92.2310, 68.9340



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.2753, 89.2354, 84.8920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2975, 92.2310, 68.9340 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(228, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 201)  
}
```

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(228, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 78.2975, 92.2310, 68.9340 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(228, 255, 201) }
```


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

```
.border{ border-color:rgb(228, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2975, 92.2310, 68.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 201) }
```

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

```
.background{ background-color: rgb(228,  
255, 201) }
```

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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