

Converting Colors

XYZ(69.7314, 85.0450, 45.9978)

Have a look what the booklet for
XYZ(69.7314, 85.0450, 45.9978)
contains.

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Color

**XYZ(69.7314, 85.0450,
45.9978)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF8A0
RGB	221, 248, 160
RGB Percent	87%, 97%, 63%
CMY	0.1333, 0.0274, 0.3725
CMYK	0.11, 0.00, 0.35, 0.03
HSL	78°, 86%, 80%
HSV	78°, 35%, 97%
XYZ	69.7314, 85.0450, 45.9978
YIQ	229.8950, 12.1560, -33.0920

Conversions

Conversions Part 2

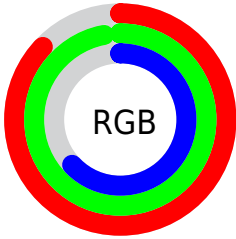
Format	Color
RYB	160, 248, 187
Decimal	14547104
CIELab	93.90, -22.76, 39.42
CIELCh	94, 45.519, 120.004
Yxy	85.0450, 0.3473, 0.4236
Android (android.graphics.Color)	4292737184 (0xFFDDF8A0)
YUV	229.8950, -34.4582, -7.8009
Hunter-Lab	92.2198, -26.4132, 34.9810

Details

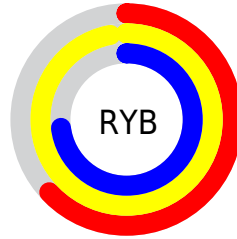
The XYZ color **69.7314, 85.0450, 45.9978** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.0109, 42.4860, 94.3764**, and the grayscale version is **75.3786, 79.3041, 86.3622**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **37.0205, 46.7601, 20.9843** is the 20% darker color. If you saturate the color by 10%, you get **65.5105, 83.0979, 35.5831**, and if you desaturate by 10%, it is **74.4945, 87.2269, 58.7003**.

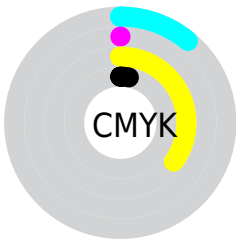
Distribution



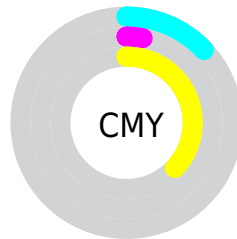
- Red (87%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7314, 85.0450, 45.9978 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 69.7314, 85.0450, 45.9978 by changing the saturation by 10% instead.


 69.7314, 85.0450,
45.9978


 69.7314, 85.0450,
45.9978


448.8875,
511.7770, 387.0771

 51.5864, 63.8786,
31.8954


 117.8540,
140.4360, 85.5500

 36.8984, 46.5523,
21.0175


 148.5623,
175.4294, 111.8368

 25.3022, 32.6819,
12.9454


184.1891,
215.8006, 143.0223

 16.4323, 21.8829,
7.2607

225.0997,
261.9340, 179.5248

 9.9233, 13.7709,
3.5448

271.6594,
314.2139, 221.7631

 5.4100, 7.9615,
1.3791

324.2338,

 2.5270, 4.0703,

373.0248, 270.1555

0.1253

383.1880,
438.7510, 325.1207

■ 0.9089, 1.7130,
0.0000

■ 0.0000, 0.4320,
0.0000

■ 69.7314, 85.0450,
45.9978

■ 69.7314, 85.0450,
45.9978

■ 65.5105, 83.0979,
35.5831

■ 74.4945, 87.2269,
58.7003

■ 61.7980, 81.3632,
27.3143

■ 79.8184, 89.6426,
73.8102

■ 58.5662, 79.8326,
21.0425

■ 85.7286, 92.3052,
91.4451

■ 55.7811, 78.4924,
16.5973

■ 91.5624, 94.9499,
108.1090

■ 53.4037, 77.3267,
13.7799

■ 92.8592, 95.6184,
108.1697

■ 51.3858, 76.3161,
12.3448

■ 50.5607, 75.8978,
11.9849

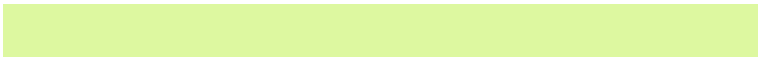
Harmonies

Analogous

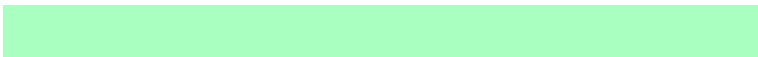
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8309, 85.0450, 40.6134



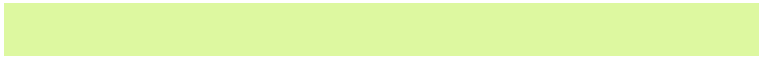
69.7314, 85.0450, 45.9978



62.2851, 85.0450, 63.0837

Triad

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



69.7314, 85.0450, 45.9978



69.7343, 85.0450, 163.2530



106.4448, 85.0450, 92.5943

Complementary

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



69.7314, 85.0450, 45.9978



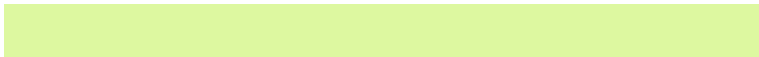
50.0109, 42.4860, 94.3764

Split Complementary

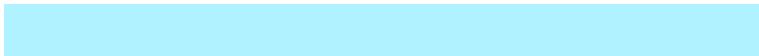
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7392, 85.0450, 130.1287



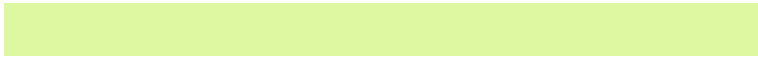
69.7314, 85.0450, 45.9978



80.8346, 85.0450, 176.6473

Square

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



69.7314, 85.0450, 45.9978



62.2866, 85.0450, 130.1400



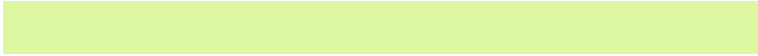
93.0538, 85.0450, 163.2453



102.7370, 85.0450, 63.0766

Rectangle

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



69.7314, 85.0450, 45.9978



59.9881, 85.0450, 81.4928



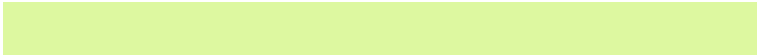
93.0538, 85.0450, 163.2453



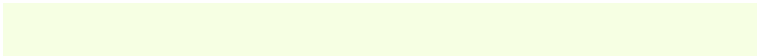
106.0204, 85.0450, 104.6722

Sweetspot

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



69.7335, 85.0488, 45.9996



87.7620, 96.7272, 86.6815



62.7029, 57.7838, 41.1075



18.6040, 20.6221, 18.0172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

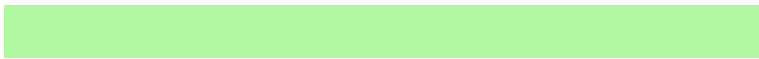
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7335, 85.0488, 45.9996



70.8240, 89.0026, 40.3762



58.1838, 79.0946, 45.4591



18.1787, 19.9079, 18.3469



27.4613, 41.0751, 6.4809



2.6515, 3.8600, 0.6053

Inverse Universe

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



50.0109, 42.4860, 94.3764



46.8189, 37.1614, 99.3130



62.2788, 48.8103, 94.9505



16.7840, 16.9013, 21.7630



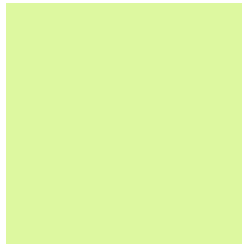
10.8922, 4.5578, 48.2792



1.1120, 0.4753, 4.4763

Previews

White Background



This preview shows how the XYZ color 69.7314, 85.0450, 45.9978 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 69.7314, 85.0450, 45.9978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

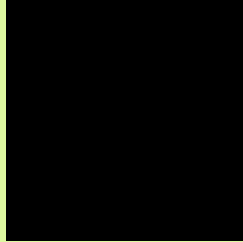
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7314, 85.0450, 45.9978

Background



This preview shows how black text looks on a background with the XYZ color 69.7314, 85.0450, 45.9978.



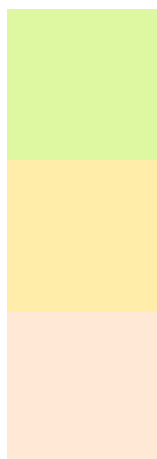
This preview shows how white text looks on a background with the XYZ color 69.7314, 85.0450,

45.9978.

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

69.7314, 85.0450, 45.9978

Protanopia

78.6856, 84.6929, 49.7363

Deuteranopia

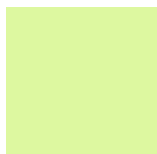
82.5165, 84.3929, 75.5587



Tritanopia

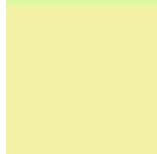
81.9771, 84.7033, 106.6365

Trichromacy



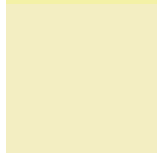
Original Color

69.7314, 85.0450, 45.9978



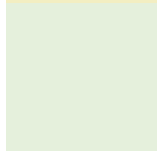
Protanomaly

75.3004, 84.7185, 48.4599



Deuteranomaly

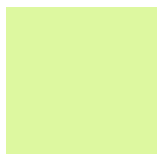
77.2743, 84.0988, 63.1988



Tritanomaly

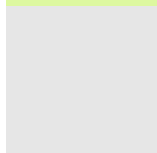
76.3915, 84.1455, 79.9256

Monochromacy



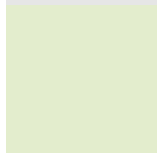
Original Color

69.7314, 85.0450, 45.9978



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.9822, 81.3070, 69.6049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7314, 85.0450, 45.9978 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(221, 248, 160)` looks like.

```
.text, #text, p{  
    color:rgb(221, 248, 160)  
}
```

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(221, 248, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 248, 160) }
```

Border

The CSS property to change the border of an element to XYZ 69.7314, 85.0450, 45.9978 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(221, 248, 160) }
```


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

```
.border{ border-color:rgb(221, 248, 160) }
```

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

Here you see how a box with a 4 pixel rgb(221, 248, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 248, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 248, 160);  
box-shadow:4px 4px 4px 4px rgb(221, 248,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7314, 85.0450, 45.9978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 248, 160) }
```

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

```
.background{ background-color: rgb(221,  
248, 160) }
```

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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