

Converting Colors

XYZ(78.8558, 100.0000,
71.1837)

Have a look what the booklet for
XYZ(78.8558, 100.0000, 71.1837)
contains.

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Color

**XYZ(73.8612, 89.9304,
69.3425)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFCA
RGB	213, 255, 202
RGB Percent	84%, 100%, 79%
CMY	0.1647, 0.0000, 0.2078
CMYK	0.16, 0.00, 0.21, 0.00
HSL	108°, 100%, 90%
HSV	108°, 21%, 100%
XYZ	73.8612, 89.9304, 69.3425
YIQ	236.4000, -8.0190, -25.3870

Conversions

Conversions Part 2

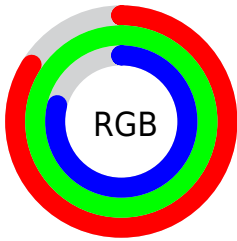
Format	Color
R _Y B	202, 255, 244
Decimal	14024650
CIE Lab	95.97, -22.93, 20.98
CIE LCh	96, 31.079, 137.551
Yxy	89.9304, 0.3168, 0.3857
Android (android.graphics.Color)	4292214730 (0xFFD5FFCA)
YUV	236.4000, -16.9592, -20.5218
Hunter-Lab	94.8316, -26.9277, 23.0283

Details

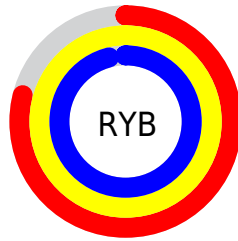
The XYZ color **73.8612, 89.9304, 69.3425** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4797, 68.6954, 103.8364**, and the grayscale version is **80.1652, 84.3400, 91.8463**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6399, 49.7954, 35.5392** is the 20% darker color. If you saturate the color by 10%, you get **65.5859, 85.9848, 54.4753**, and if you desaturate by 10%, it is **83.3671, 94.4526, 86.8742**.

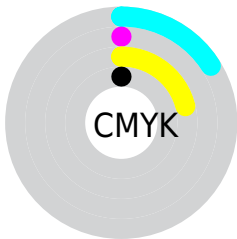
Distribution



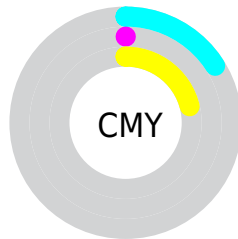
- Red (84%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.8612, 89.9304, 69.3425 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 73.8612, 89.9304, 69.3425 by changing the saturation by 10% instead.


 73.8612, 89.9304,
69.3425

 73.8612, 89.9304,
69.3425


463.0519,
527.8044, 476.9646

 54.9713, 67.9229,
50.5172


123.6956,
147.2417, 119.9429

 39.6125, 49.8350,
35.4505


155.3708,
183.3143, 152.5552

 27.4194, 35.2823,
23.7238


192.0385,
224.8441, 190.6001

 18.0267, 23.8804,
14.9185

234.0641,
272.2155, 234.4963

 11.0690, 15.2450,
8.6162

281.8128,
325.8128, 284.6623

 6.1809, 8.9915,
4.3984

335.6502,

 2.9971, 4.7356,

386.0205, 341.5167

1.8463

395.9414,
453.2229, 405.4780

■ 1.1522, 2.0930,
0.4583

■ 0.0681, 0.6607,
0.0000

■ 73.8612, 89.9304,
69.3425

■ 73.8612, 89.9304,
69.3425

■ 65.5859, 85.9848,
54.4753

■ 83.3671, 94.4526,
86.8742

■ 58.4881, 82.5915,
42.1382

■ 94.1499, 99.5729,
107.1876

■ 52.5135, 79.7254,
32.1914

■ 95.0500, 100.0000,
108.9000

■ 47.6026, 77.3593,
24.4801

■ 43.6902, 75.4634,
18.8308

■ 40.7035, 74.0044,
15.0450

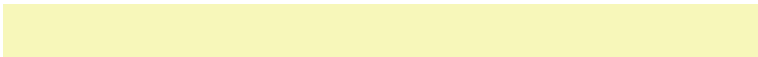
■ 38.5585, 72.9442,
12.8847

■ 37.2241, 72.2747,
11.9885

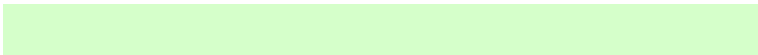
Harmonies

Analogous

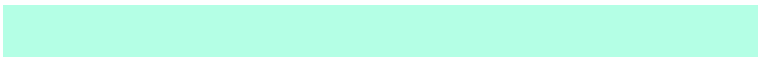
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5925, 89.9304, 59.3953



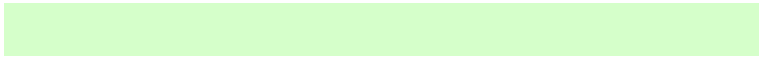
73.8612, 89.9304, 69.3425



70.3440, 89.9304, 88.0740

Triad

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



73.8612, 89.9304, 69.3425



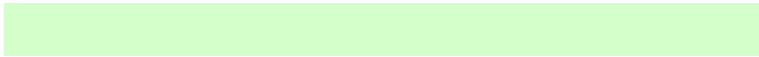
81.9657, 89.9304, 151.7398



102.2070, 89.9304, 84.3386

Complementary

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



73.8612, 89.9304, 69.3425



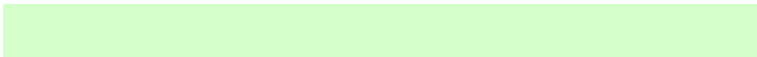
76.4797, 68.6954, 103.8364

Split Complementary

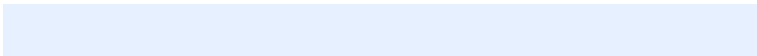
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6363, 89.9304, 108.4714



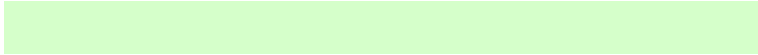
73.8612, 89.9304, 69.3425



90.5532, 89.9304, 150.2852

Square

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



73.8612, 89.9304, 69.3425



74.8083, 89.9304, 137.1247



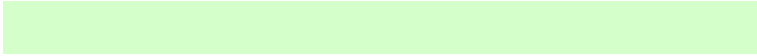
98.2491, 89.9304, 133.4319



97.1128, 89.9304, 67.0039

Rectangle

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



73.8612, 89.9304, 69.3425



70.1290, 89.9304, 104.2662



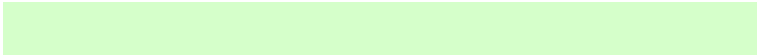
98.2491, 89.9304, 133.4319



102.9134, 89.9304, 91.8346

Sweetspot

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



73.8618, 89.9307, 69.3439



88.3627, 96.8260, 96.2367



84.1065, 89.9355, 68.8048



18.7635, 20.6536, 20.3168



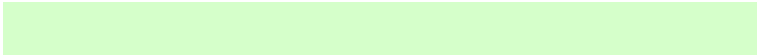
0.0000, 0.0000, 0.0000



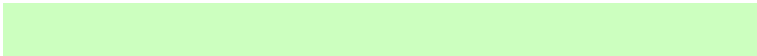
20.3446, 21.4041, 23.3091

Same Dimension

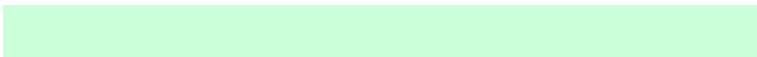
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8618, 89.9307, 69.3439



70.2252, 88.1979, 62.7572



72.6445, 89.0876, 79.0249



18.1237, 20.3497, 19.1170



19.5485, 37.8157, 6.2688



1.9887, 3.7260, 0.6144

Inverse Universe

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



76.4797, 68.6954, 103.8364



73.2743, 63.4273, 102.9885



78.0868, 69.7924, 91.7812



18.4018, 18.0989, 22.7735



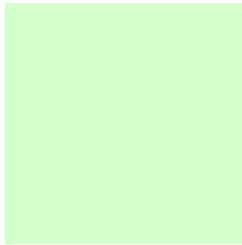
22.2980, 10.4055, 50.2678



2.2595, 1.0587, 4.8985

Previews

White Background



This preview shows how the XYZ color 73.8612, 89.9304, 69.3425 looks on a white background.

Color Contrast Check

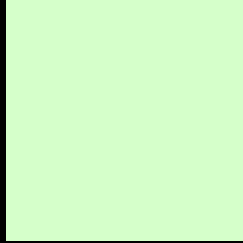
Large Text (above 18pt) WCAG AA × Fail

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 73.8612, 89.9304, 69.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

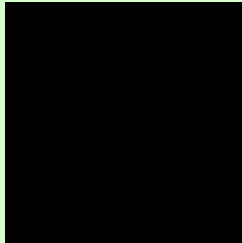
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

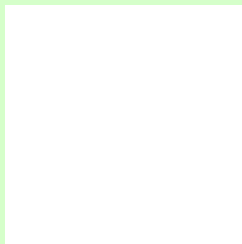
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.8612, 89.9304, 69.3425

Background



This preview shows how black text looks on a background with the XYZ color 73.8612, 89.9304, 69.3425.



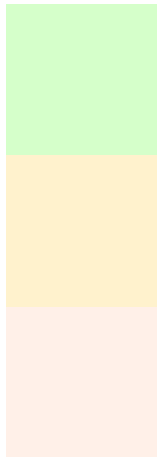
This preview shows how white text looks on a background with the XYZ color 73.8612, 89.9304,

69.3425.

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

73.8612, 89.9304, 69.3425

Protanopia

84.0116, 89.1720, 70.5416

Deuteranopia

86.9656, 89.4064, 89.0175



Tritanopia

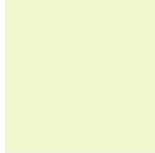
84.3067, 89.8485, 107.5068

Trichromacy



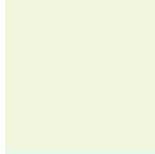
Original Color

73.8612, 89.9304, 69.3425



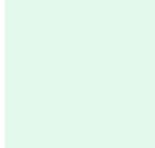
Protanomaly

80.0950, 89.4064, 70.1624



Deuteranomaly

81.6387, 89.0505, 81.2923



Tritanomaly

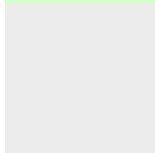
80.3800, 89.9762, 92.4876

Monochromacy



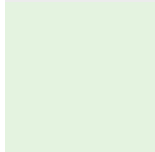
Original Color

73.8612, 89.9304, 69.3425



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.5000, 85.9770, 83.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8612, 89.9304, 69.3425 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(213, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 202)  
}
```

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(213, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 73.8612, 89.9304, 69.3425 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(213, 255, 202) }
```


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

```
.border{ border-color:rgb(213, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8612, 89.9304, 69.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 202) }
```

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

```
.background{ background-color: rgb(213,  
255, 202) }
```

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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