

Converting Colors

XYZ(119.7920, 174.7893,
83.0814)

Have a look what the booklet for
XYZ(119.7920, 174.7893, 83.0814)
contains.

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Color

**XYZ(78.7338, 92.4423,
69.5705)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFCA
RGB	229, 255, 202
RGB Percent	90%, 100%, 79%
CMY	0.1020, 0.0000, 0.2078
CMYK	0.10, 0.00, 0.21, 0.00
HSL	89°, 100%, 90%
HSV	89°, 21%, 100%
XYZ	78.7338, 92.4423, 69.5705
YIQ	241.1840, 1.5170, -21.9950

Conversions

Conversions Part 2

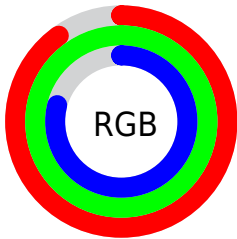
Format	Color
R_{YB}	202, 255, 228
Decimal	15073226
CIE _{Lab}	97.00, -17.49, 22.57
CIE _{LCh}	97, 28.553, 127.776
Yxy	92.4423, 0.3270, 0.3840
Android (android.graphics.Color)	4293263306 (0xFFE5FFCA)
YUV	241.1840, -19.3177, -10.6854
Hunter-Lab	96.1469, -22.0852, 24.4015

Details

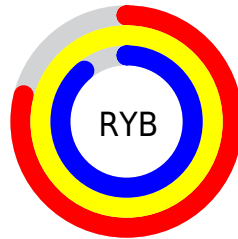
The XYZ color **78.7338, 92.4423, 69.5705** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.1663, 65.9562, 103.5877**, and the grayscale version is **83.9000, 88.2693, 96.1253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7730, 51.4105, 35.6858** is the 20% darker color. If you saturate the color by 10%, you get **72.1106, 89.3484, 54.7806**, and if you desaturate by 10%, it is **86.1447, 95.8846, 87.0042**.

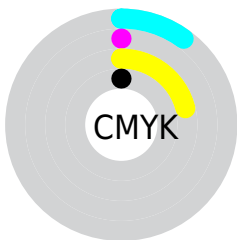
Distribution



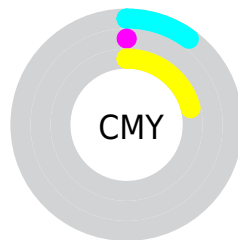
- Red (90%)
- Green (100%)
- Blue (79%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7338, 92.4423, 69.5705 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 78.7338, 92.4423, 69.5705 by changing the saturation by 10% instead.


 78.7338, 92.4423,
69.5705

 78.7338, 92.4423,
69.5705

479.4571,
535.9439, 477.7888

 58.9818, 70.0081,
50.7018


130.5439,
150.7263, 120.2714

 42.8448, 51.5331,
35.5963


163.3328,
187.3448, 152.9407

 29.9574, 36.6331,
23.8353


201.1981,
229.4601, 191.0474

 19.9541, 24.9235,
15.0005

244.5050,
277.4568, 235.0098

 12.4698, 16.0201,
8.6731

293.6191,
331.7191, 285.2467

 7.1389, 9.5384,
4.4347

348.9055,

 3.5962, 5.0940,

392.6315, 342.1764

1.8667

410.7297,
460.5783, 406.2176

■ 1.4764, 2.3025,
0.4714

■ 0.3097, 0.7750,
0.0000

■ 78.7338, 92.4423,
69.5705

■ 78.7338, 92.4423,
69.5705

■ 72.1106, 89.3484,
54.7806

■ 86.1447, 95.8846,
87.0042

■ 66.2430, 86.5893,
42.5011

■ 94.3703, 99.6866,
107.1978

■ 61.0988, 84.1513,
32.5932

■ 95.0500, 100.0000,
108.9000

■ 56.6423, 82.0195,
24.9031

■ 52.8342, 80.1773,
19.2587

■ 49.6303, 78.6064,
15.4627

■ 46.9784, 77.2848,
13.2787

■ 44.9515, 76.2584,
12.3502

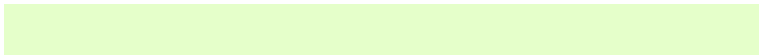
Harmonies

Analogous

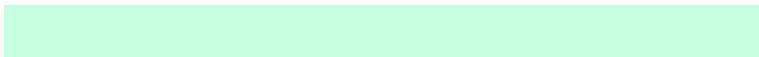
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7895, 92.4423, 62.8656



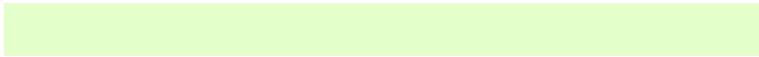
78.7338, 92.4423, 69.5705



74.3215, 92.4423, 84.8265

Triad

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



78.7338, 92.4423, 69.5705



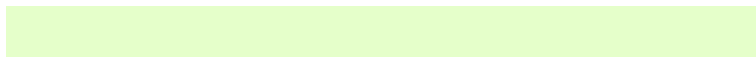
82.1478, 92.4423, 147.4297



104.0803, 92.4423, 94.7843

Complementary

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



78.7338, 92.4423, 69.5705



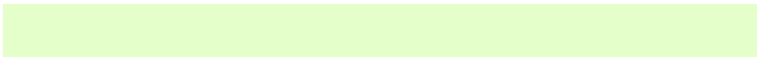
71.1663, 65.9562, 103.5877

Split Complementary

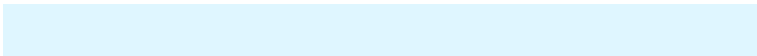
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9583, 92.4423, 118.3370



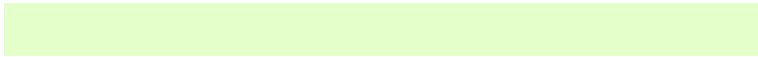
78.7338, 92.4423, 69.5705



89.9710, 92.4423, 151.1762

Square

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



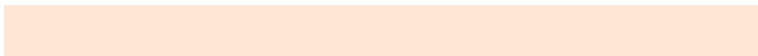
78.7338, 92.4423, 69.5705



76.2072, 92.4423, 130.2695



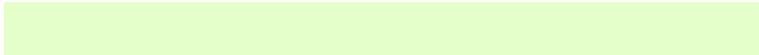
97.6733, 92.4423, 139.8412



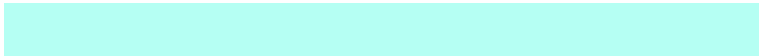
100.6519, 92.4423, 75.9059

Rectangle

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



78.7338, 92.4423, 69.5705



73.3098, 92.4423, 98.9464



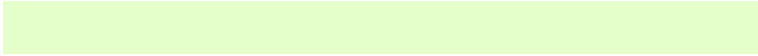
97.6733, 92.4423, 139.8412



104.2264, 92.4423, 102.3810

Sweetspot

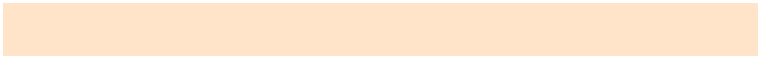
The Sweet Spot groups the original color and five complimentary colors.



78.7344, 92.4426, 69.5719



89.9760, 97.6576, 96.3122



79.5393, 80.8011, 67.2824



19.1442, 20.8499, 20.3347



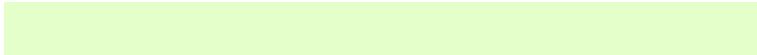
0.0000, 0.0000, 0.0000



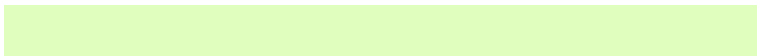
20.3446, 21.4041, 23.3091

Same Dimension

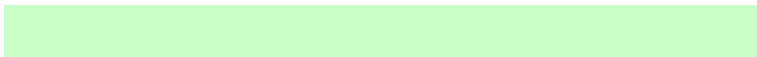
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7344, 92.4426, 69.5719



75.8473, 91.0962, 63.0203



71.0183, 88.4648, 69.2108



18.6538, 20.6230, 19.1418



23.6610, 39.9358, 6.4613



2.4299, 3.9534, 0.6350

Inverse Universe

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



71.1663, 65.9562, 103.5877



67.0202, 60.2031, 102.6958



80.0868, 70.5549, 104.0052



17.8515, 17.8152, 22.7477



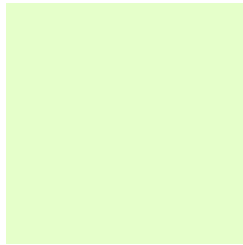
14.0292, 6.1428, 49.8808



1.4917, 0.6629, 4.8626

Previews

White Background



This preview shows how the XYZ color 78.7338, 92.4423, 69.5705 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 78.7338, 92.4423, 69.5705 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

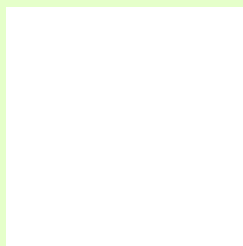
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7338, 92.4423, 69.5705

Background



This preview shows how black text looks on a background with the XYZ color 78.7338, 92.4423, 69.5705.



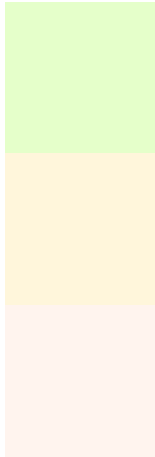
This preview shows how white text looks on a background with the XYZ color 78.7338, 92.4423,

69.5705.

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

78.7338, 92.4423, 69.5705

Protanopia

86.9820, 92.2860, 80.2464

Deuteranopia

89.0233, 92.1344, 93.9806



Tritanopia

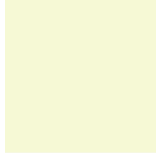
87.9679, 92.1862, 107.7651

Trichromacy



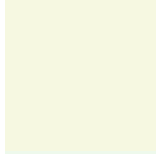
Original Color

78.7338, 92.4423, 69.5705



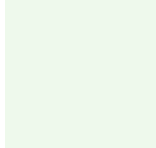
Protanomaly

83.8920, 92.1483, 76.3156



Deuteranomaly

85.1640, 92.1639, 84.5349



Tritanomaly

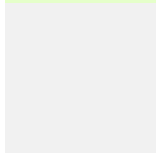
84.2759, 91.9846, 92.6699

Monochromacy



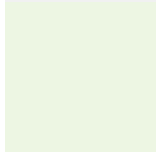
Original Color

78.7338, 92.4423, 69.5705



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.7459, 89.4621, 85.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7338, 92.4423, 69.5705 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(229, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 78.7338, 92.4423, 69.5705 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(229, 255, 202) }
```


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

```
.border{ border-color:rgb(229, 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(229, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7338, 92.4423, 69.5705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 202) }
```

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

```
.background{ background-color: rgb(229,  
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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