

Converting Colors

XYZ(82.7532, 100.0000,
77.8118)

Have a look what the booklet for
XYZ(82.7532, 100.0000, 77.8118)
contains.

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Color

**XYZ(78.8216, 92.3316,
76.6182)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFD5
RGB	225, 255, 213
RGB Percent	88%, 100%, 84%
CMY	0.1176, 0.0000, 0.1647
CMYK	0.12, 0.00, 0.16, 0.00
HSL	103°, 100%, 92%
HSV	103°, 16%, 100%
XYZ	78.8216, 92.3316, 76.6182
YIQ	241.2420, -4.3980, -19.4220

Conversions

Conversions Part 2

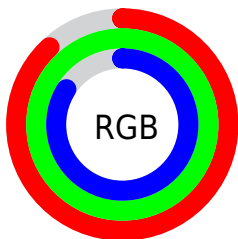
Format	Color
R _Y B	213, 255, 243
Decimal	14811093
CIE Lab	96.96, -17.12, 16.86
CIE LCh	97, 24.030, 135.441
Yxy	92.3316, 0.3181, 0.3726
Android (android.graphics.Color)	4293001173 (0xFFE1FFD5)
YUV	241.2420, -13.9233, -14.2442
Hunter-Lab	96.0893, -21.7337, 19.9868

Details

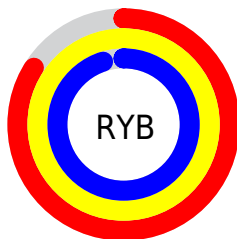
The XYZ color **78.8216, 92.3316, 76.6182** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.8071, 73.8643, 104.7114**, and the grayscale version is **83.9079, 88.2777, 96.1344**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7278, 51.2918, 39.9961** is the 20% darker color. If you saturate the color by 10%, you get **70.4562, 88.3642, 60.6385**, and if you desaturate by 10%, it is **88.3031, 96.8157, 95.3094**.

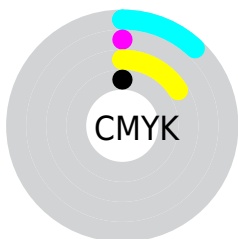
Distribution



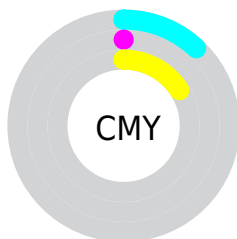
- Red (88%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8216, 92.3316, 76.6182 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 78.8216, 92.3316, 76.6182 by changing the saturation by 10% instead.


 78.8216, 92.3316,
76.6182

 78.8216, 92.3316,
76.6182


479.7498,
535.5866, 502.8643

 59.0543, 69.9161,
56.4299


130.6669,
150.5729, 130.3685

 42.9033, 51.4581,
40.1414


163.4756,
187.1675, 164.7675

 30.0035, 36.5733,
27.3342

201.3622,
229.2572, 204.7405

 19.9893, 24.8773,
17.5897

244.6919,
277.2264, 250.7061

 12.4955, 15.9857,
10.4894

293.8302,
331.4596, 303.0827

 7.1567, 9.5140,
5.6148

349.1424,

 3.6075, 5.0779,

392.3411, 362.2889

2.5473

410.9938,
460.2553, 428.7433

■ 1.4826, 2.2931,
0.8651

■ 0.3139, 0.7700,
0.0000

■ 78.8216, 92.3316,
76.6182

■ 78.8216, 92.3316,
76.6182

■ 70.4562, 88.3642,
60.6385

■ 88.3031, 96.8157,
95.3094

■ 63.1622, 84.8930,
47.2403

95.0500, 100.0000,
108.9000

■ 56.8949, 81.8979,
36.2893

■ 51.6053, 79.3571,
27.6371

■ 47.2401, 77.2465,
21.1195

■ 43.7404, 75.5398,
16.5505

■ 41.0394, 74.2074,
13.7121

■ 39.0577, 73.2143,
12.3317

■ 38.4968, 72.9309,
12.0481

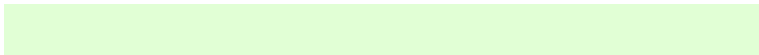
Harmonies

Analogous

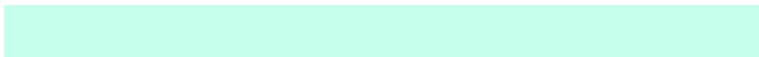
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3440, 92.3316, 68.7602



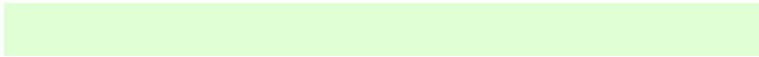
78.8216, 92.3316, 76.6182



75.7730, 92.3316, 91.4662

Triad

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



78.8216, 92.3316, 76.6182



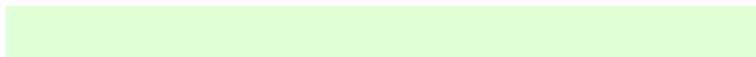
84.5325, 92.3316, 141.0249



100.8886, 92.3316, 90.9471

Complementary

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



78.8216, 92.3316, 76.6182



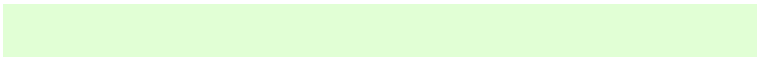
78.8071, 73.8643, 104.7114

Split Complementary

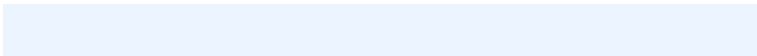
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.9455, 92.3316, 110.1809



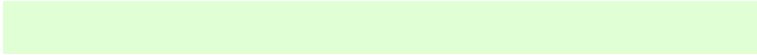
78.8216, 92.3316, 76.6182



91.2638, 92.3316, 140.8390

Square

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



78.8216, 92.3316, 76.6182



78.9535, 92.3316, 129.4489



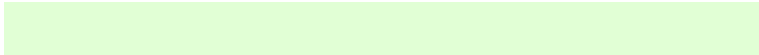
97.3464, 92.3316, 128.9696



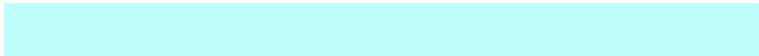
97.1948, 92.3316, 76.2804

Rectangle

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



78.8216, 92.3316, 76.6182



75.4482, 92.3316, 104.1038



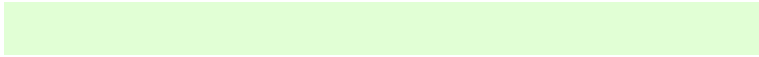
97.3464, 92.3316, 128.9696



101.3397, 92.3316, 97.0456

Sweetspot

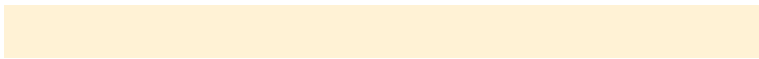
The Sweet Spot groups the original color and five complimentary colors.



78.8223, 92.3320, 76.6196



89.7931, 97.5193, 98.2919



85.1220, 89.8072, 75.8003



19.0663, 20.8008, 20.7317



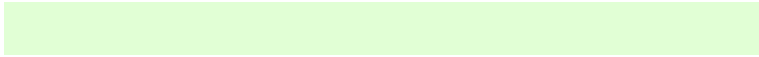
0.0000, 0.0000, 0.0000



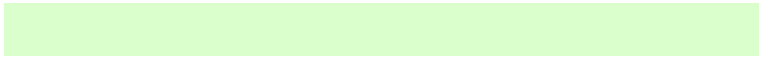
20.3446, 21.4041, 23.3091

Same Dimension

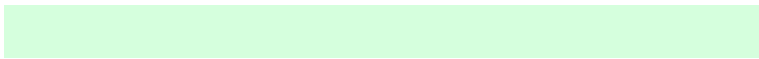
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8223, 92.3320, 76.6196



75.7437, 90.8733, 70.6749



76.3059, 90.9083, 82.2128



18.2589, 20.4194, 19.1233



20.2414, 38.1729, 6.3013



2.0728, 3.7693, 0.6183

Inverse Universe

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



78.8071, 73.8643, 104.7114



75.7237, 69.0061, 103.9362



81.7616, 75.5403, 97.9442



18.2573, 18.0244, 22.7667



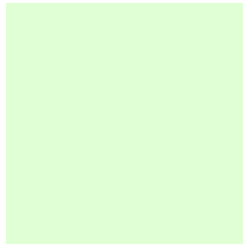
19.6838, 9.0578, 50.1455



2.0242, 0.9374, 4.8875

Previews

White Background



This preview shows how the XYZ color 78.8216, 92.3316, 76.6182 looks on a white background.

Color Contrast Check

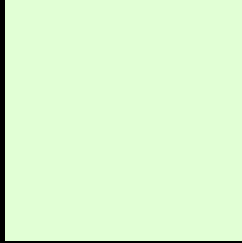
Large Text (above 18pt) WCAG AA × Fail

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 78.8216, 92.3316, 76.6182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

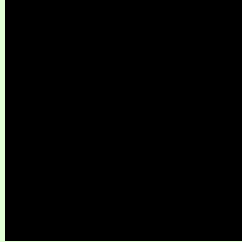
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

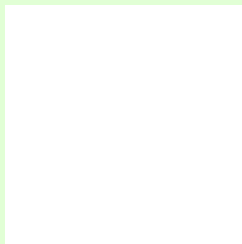
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8216, 92.3316, 76.6182

Background



This preview shows how black text looks on a background with the XYZ color 78.8216, 92.3316, 76.6182.



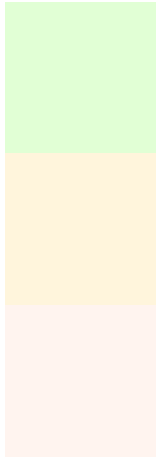
This preview shows how white text looks on a background with the XYZ color 78.8216, 92.3316,

76.6182.

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

78.8216, 92.3316, 76.6182

Protanopia

86.8107, 91.7321, 80.8408

Deuteranopia

89.1707, 92.1934, 94.7567



Tritanopia

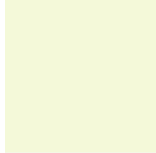
87.5864, 92.4423, 107.8346

Trichromacy



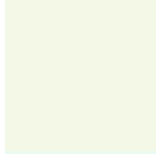
Original Color

78.8216, 92.3316, 76.6182



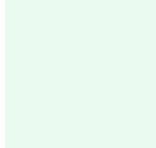
Protanomaly

83.7083, 91.9942, 78.9904



Deuteranomaly

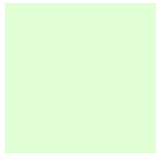
85.1586, 92.0811, 88.1480



Tritanomaly

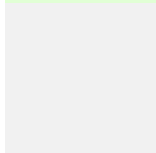
84.1747, 92.3247, 95.8220

Monochromacy



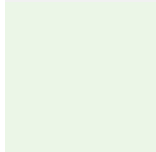
Original Color

78.8216, 92.3316, 76.6182



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6405, 89.3432, 88.5434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8216, 92.3316, 76.6182 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(225, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 213)  
}
```

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(225, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 78.8216, 92.3316, 76.6182 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(225, 255, 213) }
```


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

```
.border{ border-color:rgb(225, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(225, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8216, 92.3316, 76.6182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 213) }
```

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

```
.background{ background-color: rgb(225,  
255, 213) }
```

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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