

Converting Colors

XYZ(78.7779, 92.6390, 83.0814)

Have a look what the booklet for
XYZ(78.7779, 92.6390, 83.0814)
contains.

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Color

**XYZ(78.4600, 92.0096,
82.7316)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFDE
RGB	220, 255, 222
RGB Percent	86%, 100%, 87%
CMY	0.1372, 0.0000, 0.1294
CMYK	0.14, 0.00, 0.13, 0.00
HSL	123°, 100%, 93%
HSV	123°, 14%, 100%
XYZ	78.4600, 92.0096, 82.7316
YIQ	240.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

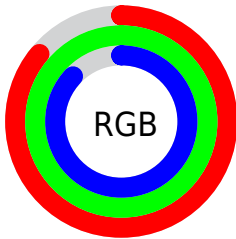
Format	Color
R _Y B	220, 253, 255
Decimal	14483422
CIE Lab	96.82, -17.27, 12.02
CIE LCh	97, 21.047, 145.163
Yxy	92.0096, 0.3099, 0.3634
Android (android.graphics.Color)	4292673502 (0xFFDCFFDE)
YUV	240.7730, -9.2551, -18.2179
Hunter-Lab	95.9216, -21.8571, 16.0080

Details

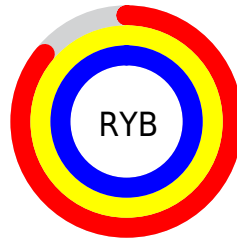
The XYZ color **78.4600, 92.0096, 82.7316** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **84.5631, 79.5389, 103.8236**, and the grayscale version is **83.5064, 87.8552, 95.6743**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6862, 51.1775, 44.1877** is the 20% darker color. If you saturate the color by 10%, you get **68.3254, 87.1311, 66.6186**, and if you desaturate by 10%, it is **90.2327, 97.6793, 101.3227**.

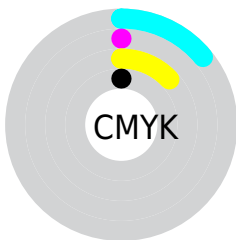
Distribution



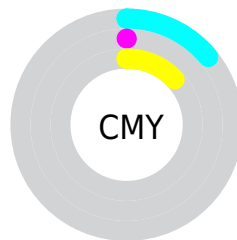
- Red (86%)
- Green (100%)
- Blue (87%)



- Red (86%)
- Yellow (99%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4600, 92.0096, 82.7316 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 78.4600, 92.0096, 82.7316 by changing the saturation by 10% instead.


 78.4600, 92.0096,
82.7316

 78.4600, 92.0096,
82.7316


478.5436,
534.5465, 524.0391

 58.7560, 69.6486,
61.4294


130.1603,
150.1267, 139.0454

 42.6624, 51.2401,
44.1390


162.8874,
186.6516, 174.8940

 29.8137, 36.3997,
30.4418


200.6862,
228.6666, 216.4286

 19.8446, 24.7431,
19.9193

243.9220,
276.5560, 264.0676

 12.3897, 15.8857,
12.1529

292.9604,
330.7044, 318.2297

 7.0838, 9.4433,
6.7241

348.1665,

 3.5613, 5.0315,

391.4960, 379.3332

3.2143

409.9058,
459.3152, 447.7969

■ 1.4571, 2.2657,
1.2051

■ 0.2964, 0.7555,
0.0000

■ 78.4600, 92.0096,
82.7316

■ 78.4600, 92.0096,
82.7316

■ 68.3254, 87.1311,
66.6186

■ 90.2327, 97.6793,
101.3227

■ 59.7544, 83.0079,
52.8749

95.0500, 100.0000,
108.9000

■ 52.6696, 79.6025,
41.3903

■ 46.9865, 76.8737,
32.0438

■ 42.6118, 74.7764,
24.7034

■ 39.4410, 73.2598,
19.2223

■ 37.3535, 72.2654,
15.4338

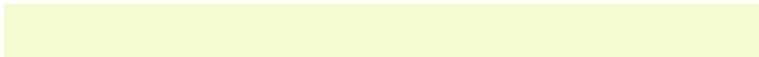
■ 36.2038, 71.7222,
13.1415

■ 35.8432, 71.5533,
12.3583

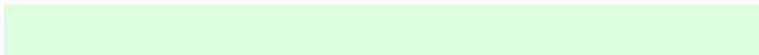
Harmonies

Analogous

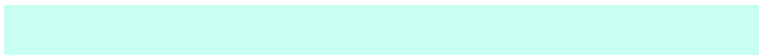
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7128, 92.0096, 73.5388



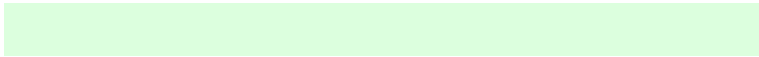
78.4600, 92.0096, 82.7316



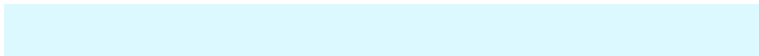
76.6193, 92.0096, 97.4659

Triad

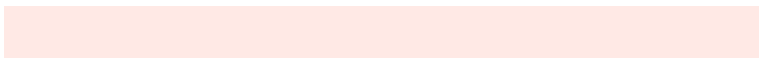
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4600, 92.0096, 82.7316



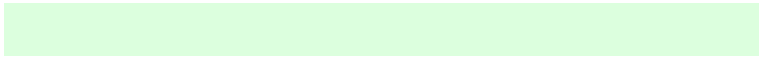
86.4985, 92.0096, 136.2040



98.1370, 92.0096, 86.9825

Complementary

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



78.4600, 92.0096, 82.7316



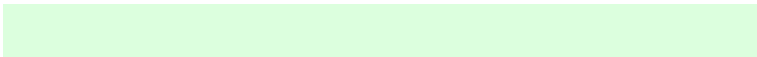
84.5631, 79.5389, 103.8236

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.



99.2612, 92.0096, 102.9497



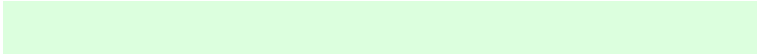
78.4600, 92.0096, 82.7316



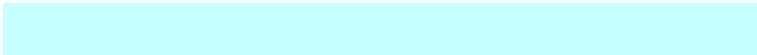
92.3696, 92.0096, 132.5913

Square

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



78.4600, 92.0096, 82.7316



81.1253, 92.0096, 129.3136



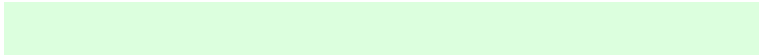
97.1068, 92.0096, 119.9302



94.1001, 92.0096, 75.7926

Rectangle

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



78.4600, 92.0096, 82.7316



76.9447, 92.0096, 108.9316



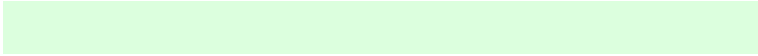
97.1068, 92.0096, 119.9302



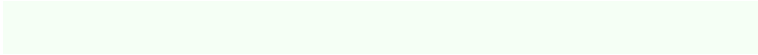
98.8756, 92.0096, 91.9155

Sweetspot

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



78.4607, 92.0099, 82.7330



89.8864, 97.5125, 100.7774



89.2776, 97.6170, 81.8476



19.0381, 20.7747, 21.2534



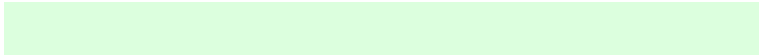
0.0000, 0.0000, 0.0000



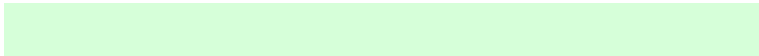
20.3446, 21.4041, 23.3091

Same Dimension

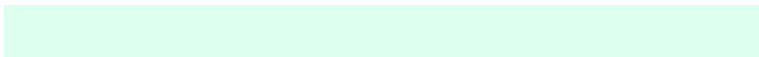
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4607, 92.0099, 82.7330



76.0136, 90.8317, 78.8531



80.8927, 92.9827, 95.5396



17.8137, 20.1850, 19.3217



18.7454, 37.3947, 6.5445



1.8393, 3.6466, 0.7116

Inverse Universe

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



84.5631, 79.5389, 103.8236



83.0139, 76.5251, 103.0467



81.9377, 78.4888, 89.9984



18.7452, 18.2814, 22.5412



29.8194, 14.4170, 44.5609



2.9165, 1.4090, 4.4079

Previews

White Background



This preview shows how the XYZ color 78.4600, 92.0096, 82.7316 looks on a white background.

Color Contrast Check

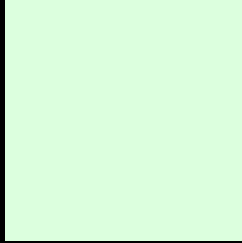
Large Text (above 18pt) WCAG AA × Fail

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 78.4600, 92.0096, 82.7316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

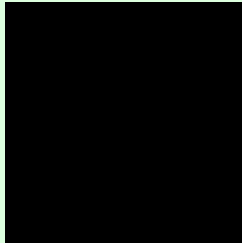
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

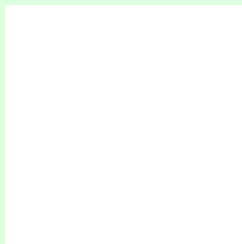
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4600, 92.0096, 82.7316

Background



This preview shows how black text looks on a background with the XYZ color 78.4600, 92.0096, 82.7316.



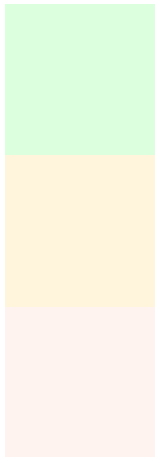
This preview shows how white text looks on a background with the XYZ color 78.4600, 92.0096,

82.7316.

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

78.4600, 92.0096, 82.7316

Protanopia

86.9436, 91.7853, 81.5405

Deuteranopia

89.0188, 91.6525, 95.4370



Tritanopia

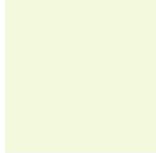
86.5707, 91.9187, 107.7871

Trichromacy



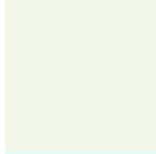
Original Color

78.4600, 92.0096, 82.7316



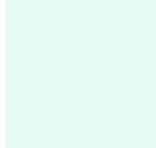
Protanomaly

83.5448, 91.8491, 81.7320



Deuteranomaly

84.5867, 91.2820, 90.2518



Tritanomaly

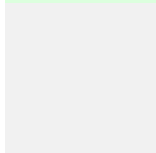
83.3183, 91.8312, 98.1279

Monochromacy



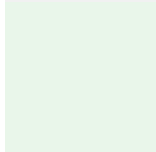
Original Color

78.4600, 92.0096, 82.7316



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4113, 89.1757, 90.7637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4600, 92.0096, 82.7316 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(220, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 222)  
}
```

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(220, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 78.4600, 92.0096, 82.7316 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(220, 255, 222) }
```


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

```
.border{ border-color:rgb(220, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4600, 92.0096, 82.7316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 222) }
```

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

```
.background{ background-color: rgb(220,  
255, 222) }
```

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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