

Converting Colors

XYZ(89.5068, 123.2194,
82.7697)

Have a look what the booklet for
XYZ(89.5068, 123.2194, 82.7697)
contains.

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Color

**XYZ(72.2547, 88.9316,
76.9756)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFD6
RGB	202, 255, 214
RGB Percent	79%, 100%, 84%
CMY	0.2078, 0.0000, 0.1608
CMYK	0.21, 0.00, 0.16, 0.00
HSL	134°, 100%, 90%
HSV	134°, 21%, 100%
XYZ	72.2547, 88.9316, 76.9756
YIQ	234.4790, -18.4270, -23.9870

Conversions

Conversions Part 2

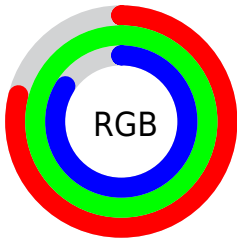
Format	Color
R _Y B	202, 245, 255
Decimal	13303766
CIE Lab	95.55, -24.50, 14.16
CIE LCh	96, 28.296, 149.964
Yxy	88.9316, 0.3034, 0.3734
Android (android.graphics.Color)	4291493846 (0xFFCAFFD6)
YUV	234.4790, -10.0961, -28.4841
Hunter-Lab	94.3036, -28.2658, 17.6168

Details

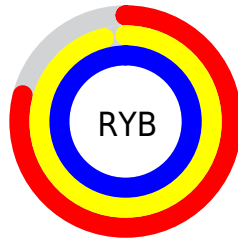
The XYZ color **72.2547, 88.9316, 76.9756** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.5385, 69.9728, 94.1603**, and the grayscale version is **78.6535, 82.7496, 90.1144**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4847, 49.0944, 40.2487** is the 20% darker color. If you saturate the color by 10%, you get **63.5468, 84.7161, 64.2042**, and if you desaturate by 10%, it is **82.4092, 93.8575, 91.4101**.

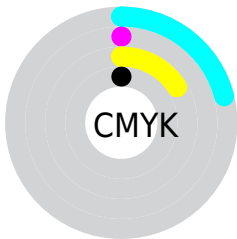
Distribution



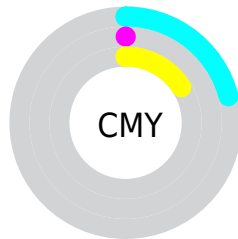
- Red (79%)
- Green (100%)
- Blue (84%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2547, 88.9316, 76.9756 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 72.2547, 88.9316, 76.9756 by changing the saturation by 10% instead.


 72.2547, 88.9316,
76.9756

 72.2547, 88.9316,
76.9756


457.5715,
524.5492, 504.1163

 53.6530, 67.0949,
56.7214


121.4274,
145.8534, 130.8777

 38.5539, 49.1617,
40.3737

152.7291,
181.7073, 165.3628

 26.5920, 34.7478,
27.5141


188.9949,
223.0024, 205.4285

 17.4020, 23.4687,
17.7238

230.5900,
270.1231, 251.4934

 10.6186, 14.9399,
10.5845

277.8799,
323.4537, 303.9761

 5.8764, 8.7772,
5.6776

331.2298,

 2.8100, 4.5962,

383.3786, 363.2951

2.5844

391.0053,
450.2824, 429.8690

■ 1.0541, 2.0123,
0.8844

■ 0.0000, 0.6146,
0.0000

■ 72.2547, 88.9316,
76.9756

■ 72.2547, 88.9316,
76.9756

■ 63.5468, 84.7161,
64.2042

■ 82.4092, 93.8575,
91.4101

■ 56.2165, 81.1769,
53.0319

■ 94.0706, 99.5238,
107.5601

■ 50.1925, 78.2785,
43.3967

■ 95.0500, 100.0000,
108.9000

■ 45.3958, 75.9814,
35.2311

■ 41.7388, 74.2422,
28.4624

■ 39.1217, 73.0110,
23.0117

■ 37.4267, 72.2288,
18.7919

■ 36.5171, 71.8228,
15.9069

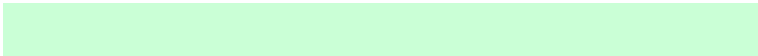
Harmonies

Analogous

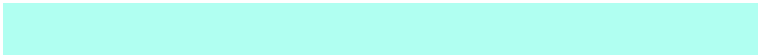
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2903, 88.9316, 64.3241



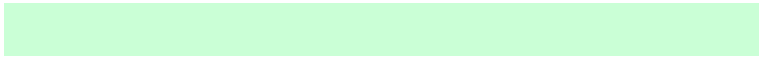
72.2547, 88.9316, 76.9756



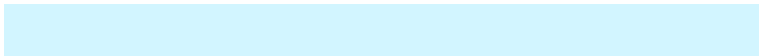
70.4647, 88.9316, 96.8047

Triad

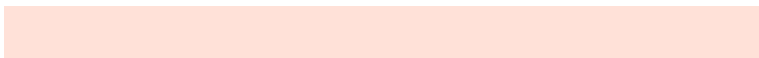
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2547, 88.9316, 76.9756



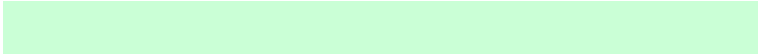
84.5175, 88.9316, 146.1663



98.1256, 88.9316, 77.0154

Complementary

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



72.2547, 88.9316, 76.9756



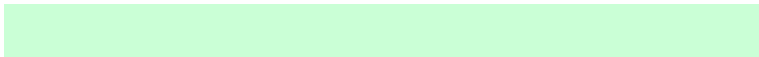
78.5385, 69.9728, 94.1603

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.



100.3454, 88.9316, 96.8581



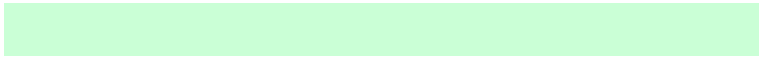
72.2547, 88.9316, 76.9756



92.2015, 88.9316, 138.7774

Square

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



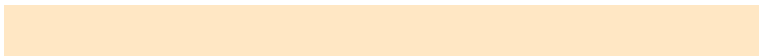
72.2547, 88.9316, 76.9756



77.2750, 88.9316, 138.7434



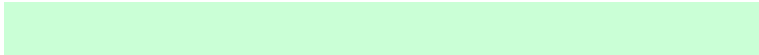
98.1153, 88.9316, 119.8380



92.2187, 88.9316, 64.3444

Rectangle

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



72.2547, 88.9316, 76.9756



71.2620, 88.9316, 112.1690



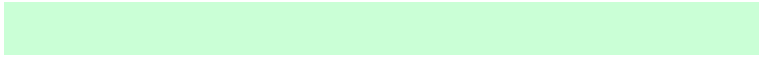
98.1153, 88.9316, 119.8380



99.3433, 88.9316, 82.9598

Sweetspot

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



72.2554, 88.9319, 76.9770



87.7959, 96.4738, 98.9182



83.5617, 94.9311, 69.7974



18.6301, 20.5707, 20.9481



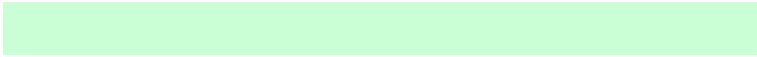
0.0000, 0.0000, 0.0000



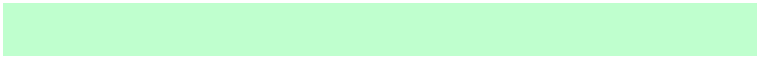
20.3446, 21.4041, 23.3091

Same Dimension

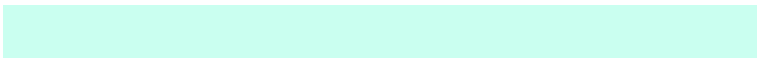
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2554, 88.9319, 76.9770



68.4111, 87.0697, 71.3926



75.8433, 90.3671, 95.8707



17.9400, 20.2355, 19.9870



19.1270, 37.5474, 8.5542



1.9016, 3.6716, 1.0396

Inverse Universe

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



78.5385, 69.9728, 94.1603



75.7376, 64.9556, 91.4247



74.8876, 68.5125, 74.9350



18.6063, 18.2258, 21.8099



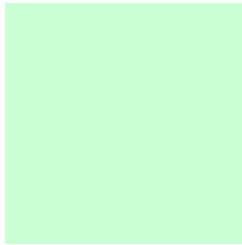
26.8897, 13.2452, 29.1335



2.6592, 1.3060, 3.0526

Previews

White Background



This preview shows how the XYZ color 72.2547, 88.9316, 76.9756 looks on a white background.

Color Contrast Check

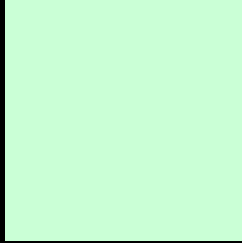
Large Text (above 18pt) WCAG AA × Fail

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 72.2547, 88.9316, 76.9756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

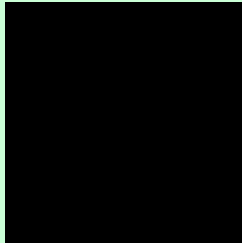
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

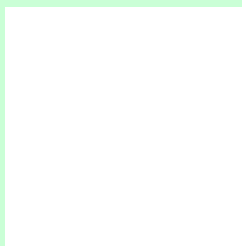
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2547, 88.9316, 76.9756

Background



This preview shows how black text looks on a background with the XYZ color 72.2547, 88.9316, 76.9756.



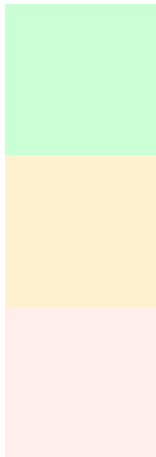
This preview shows how white text looks on a background with the XYZ color 72.2547, 88.9316,

76.9756.

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

72.2547, 88.9316, 76.9756

Protanopia

83.5908, 88.4864, 71.7054

Deuteranopia

86.5225, 88.2923, 89.5727



Tritanopia

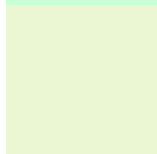
82.3810, 88.8557, 107.4167

Trichromacy



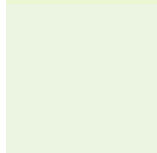
Original Color

72.2547, 88.9316, 76.9756



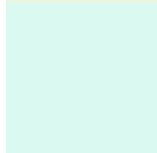
Protanomaly

78.8496, 88.2268, 73.8464



Deuteranomaly

80.6702, 88.0252, 84.6903



Tritanomaly

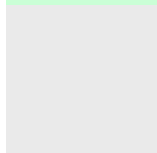
78.5173, 88.9481, 95.4685

Monochromacy



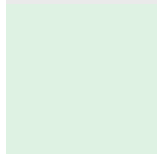
Original Color

72.2547, 88.9316, 76.9756



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7415, 84.5799, 85.0066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2547, 88.9316, 76.9756 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(202, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 214)  
}
```

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(202, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 72.2547, 88.9316, 76.9756 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(202, 255, 214) }
```


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

```
.border{ border-color:rgb(202, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2547, 88.9316, 76.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 214) }
```

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

```
.background{ background-color: rgb(202,  
255, 214) }
```

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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