

Converting Colors

XYZ(72.4320, 89.0089, 77.6192)

Have a look what the booklet for
XYZ(72.4320, 89.0089, 77.6192)
contains.

XYZ(72.3829, 88.9829, 77.6504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.3829, 88.9829,
77.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFD7
RGB	202, 255, 215
RGB Percent	79%, 100%, 84%
CMY	0.2078, 0.0000, 0.1569
CMYK	0.21, 0.00, 0.16, 0.00
HSL	135°, 100%, 90%
HSV	135°, 21%, 100%
XYZ	72.3829, 88.9829, 77.6504
YIQ	234.5930, -18.7480, -23.6760

Conversions

Conversions Part 2

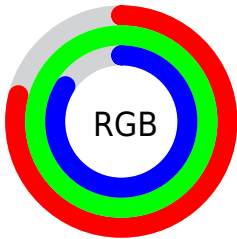
Format	Color
R_{YB}	202, 245, 255
Decimal	13303767
CIE _{Lab}	95.57, -24.32, 13.68
CIE _{LCh}	96, 27.904, 150.639
Yxy	88.9829, 0.3028, 0.3723
Android (android.graphics.Color)	4291493847 (0xFFCAFFD7)
YUV	234.5930, -9.6593, -28.5841
Hunter-Lab	94.3307, -28.1102, 17.2257

Details

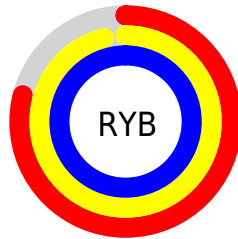
The XYZ color **72.3829, 88.9829, 77.6504** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.3879, 69.9127, 93.3672**, and the grayscale version is **78.7371, 82.8376, 90.2101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5719, 49.1293, 40.7077** is the 20% darker color. If you saturate the color by 10%, you get **63.7143, 84.7832, 65.0864**, and if you desaturate by 10%, it is **82.4838, 93.8873, 91.8028**.

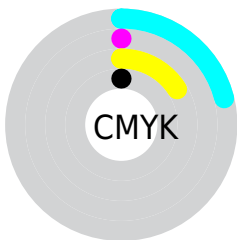
Distribution



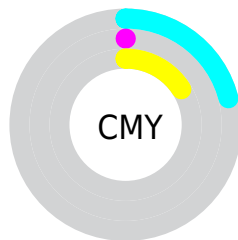
- Red (79%)
- Green (100%)
- Blue (84%)



- 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 72.3829, 88.9829, 77.6504 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 72.3829, 88.9829, 77.6504 by changing the saturation by 10% instead.


 72.3829, 88.9829,
77.6504

 72.3829, 88.9829,
77.6504

458.0102,
524.7167, 506.4752

 53.7581, 67.1374,
57.2721

121.6086,
145.9248, 131.8386

 38.6382, 49.1963,
40.8129


152.9402,
181.7899, 166.4855

 26.6578, 34.7752,
27.8543

189.2382,
223.0971, 206.7257

 17.4517, 23.4898,
17.9778

230.8678,
270.2306, 252.9778

 10.6543, 14.9556,
10.7648

278.1945,
323.5750, 305.6602

 5.9005, 8.7882,
5.7967

331.5835,

 2.8247, 4.6033,

383.5145, 365.1916

2.6551

391.4003,
450.4336, 431.9904

■ 1.0618, 2.0164,
0.9207

■ 0.0000, 0.6170,
0.0000

■ 72.3829, 88.9829,
77.6504

■ 72.3829, 88.9829,
77.6504

■ 63.7143, 84.7832,
65.0864

■ 82.4838, 93.8873,
91.8028

■ 56.4101, 81.2544,
54.0510

■ 94.0768, 99.5262,
107.5920

■ 50.3995, 78.3613,
44.4869

■ 95.0500, 100.0000,
108.9000

■ 45.6048, 76.0650,
36.3316

■ 41.9392, 74.3224,
29.5180

■ 39.3044, 73.0841,
23.9734

■ 37.5836, 72.2916,
19.6180

■ 36.6447, 71.8739,
16.5787

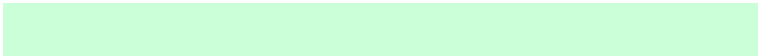
Harmonies

Analogous

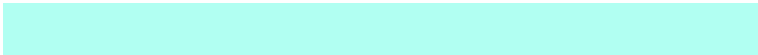
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2927, 88.9829, 64.9507



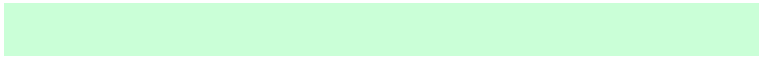
72.3829, 88.9829, 77.6504



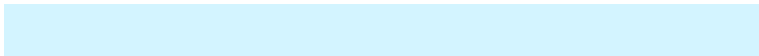
70.6925, 88.9829, 97.3582

Triad

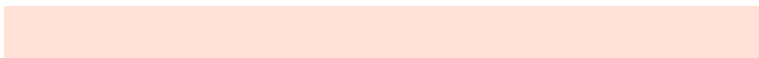
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3829, 88.9829, 77.6504



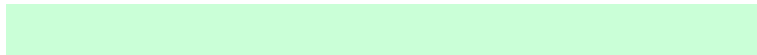
84.7399, 88.9829, 145.4567



97.8848, 88.9829, 76.9498

Complementary

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



72.3829, 88.9829, 77.6504



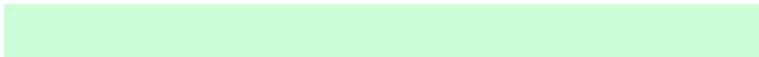
78.3879, 69.9127, 93.3672

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.



100.1668, 88.9829, 96.4178



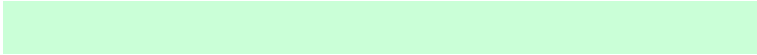
72.3829, 88.9829, 77.6504



92.3021, 88.9829, 137.8785

Square

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



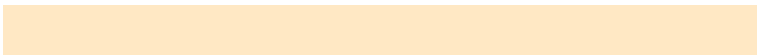
72.3829, 88.9829, 77.6504



77.5608, 88.9829, 138.4742



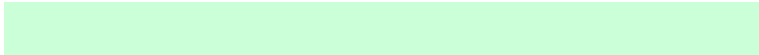
98.0659, 88.9829, 119.0646



92.0010, 88.9829, 64.5912

Rectangle

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



72.3829, 88.9829, 77.6504



71.5333, 88.9829, 112.5211



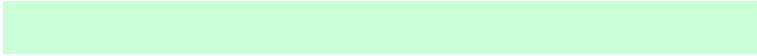
98.0659, 88.9829, 119.0646



99.1139, 88.9829, 82.7731

Sweetspot

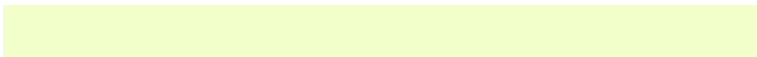
The Sweet Spot groups the original color and five complimentary colors.



72.3836, 88.9832, 77.6518



87.8396, 96.4913, 99.1482



83.2567, 94.7739, 69.7833



18.6404, 20.5749, 21.0023



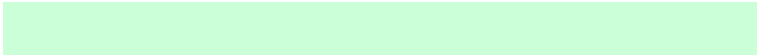
0.0000, 0.0000, 0.0000



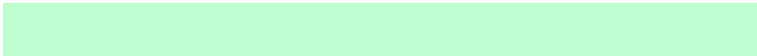
20.3446, 21.4041, 23.3091

Same Dimension

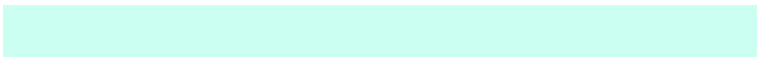
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3836, 88.9832, 77.6518



68.5575, 87.1283, 72.1636



75.9749, 90.4197, 96.5635



17.9542, 20.2412, 20.0621



19.1967, 37.5753, 8.9211



1.9102, 3.6750, 1.0848

Inverse Universe

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



78.3879, 69.9127, 93.3672



75.5590, 64.8842, 90.4838



74.7730, 68.4667, 74.3315



18.5910, 18.2197, 21.7294



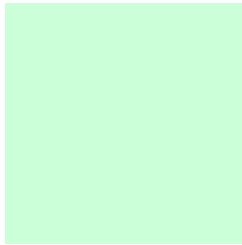
26.6086, 13.1327, 27.6533



2.6340, 1.2960, 2.9198

Previews

White Background



This preview shows how the XYZ color 72.3829, 88.9829, 77.6504 looks on a white background.

Color Contrast Check

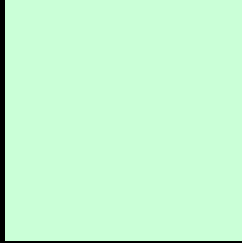
Large Text (above 18pt) WCAG AA × Fail

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 72.3829, 88.9829, 77.6504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

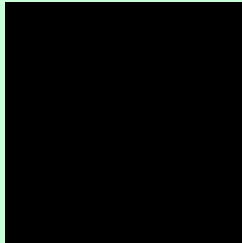
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

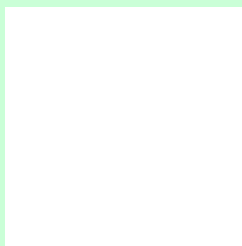
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3829, 88.9829, 77.6504

Background



This preview shows how black text looks on a background with the XYZ color 72.3829, 88.9829, 77.6504.

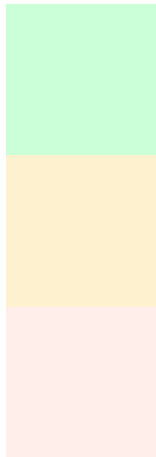


This preview shows how white text looks on a background with the XYZ color 72.3829, 88.9829,

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

72.3829, 88.9829, 77.6504

Protanopia

83.7135, 88.5355, 72.3514

Deuteranopia

86.5225, 88.2923, 89.5727



Tritanopia

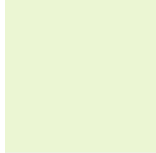
82.3810, 88.8557, 107.4167

Trichromacy



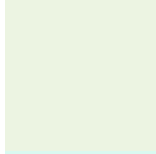
Original Color

72.3829, 88.9829, 77.6504



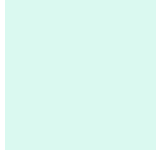
Protanomaly

78.9746, 88.2769, 74.5047



Deuteranomaly

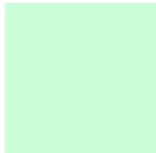
80.6702, 88.0252, 84.6903



Tritanomaly

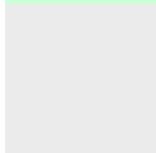
78.5173, 88.9481, 95.4685

Monochromacy



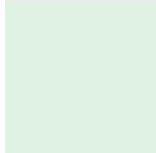
Original Color

72.3829, 88.9829, 77.6504



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1871, 84.7937, 85.7501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3829, 88.9829, 77.6504 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 72.3829, 88.9829, 77.6504 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, 215) }
```


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

```
.border{ border-color:rgb(202, 255, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3829, 88.9829, 77.6504 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, 215) }
```

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

```
.background{ background-color: rgb(202,  
255, 215) }
```

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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