

Converting Colors

XYZ(70.2986, 82.2371, 77.3136)

Have a look what the booklet for
XYZ(70.2986, 82.2371, 77.3136)
contains.

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Color

**XYZ(70.4577, 82.4689,
77.1703)**

Conversions

Conversions Part 1

Format	Color
Hex	D0F3D8
RGB	208, 243, 216
RGB Percent	82%, 95%, 85%
CMY	0.1843, 0.0470, 0.1529
CMYK	0.14, 0.00, 0.11, 0.05
HSL	134°, 59%, 88%
HSV	134°, 14%, 95%
XYZ	70.4577, 82.4689, 77.1703
YIQ	229.4570, -12.1930, -15.8170

Conversions

Conversions Part 2

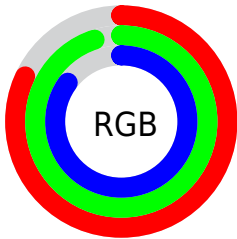
Format	Color
RYB	208, 236, 243
Decimal	13693912
CIELab	92.78, -16.37, 9.24
CIElCh	93, 18.796, 150.566
Yxy	82.4689, 0.3062, 0.3584
Android (android.graphics.Color)	4291883992 (0xFFD0F3D8)
YUV	229.4570, -6.6343, -18.8178
Hunter-Lab	90.8124, -20.4307, 13.1854

Details

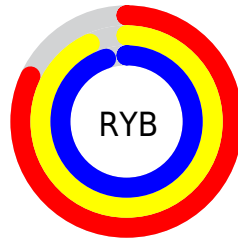
The XYZ color **70.4577, 82.4689, 77.1703** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.5164, 70.1667, 88.2172**, and the grayscale version is **74.8685, 78.7674, 85.7778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3402, 44.8862, 40.4141** is the 20% darker color. If you saturate the color by 10%, you get **61.8551, 78.3007, 64.8302**, and if you desaturate by 10%, it is **80.3881, 87.2943, 91.0194**.

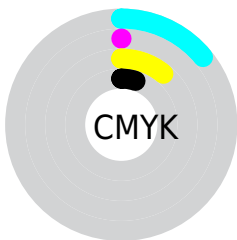
Distribution



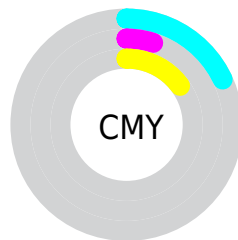
- Red (82%)
- Green (95%)
- Blue (85%)



- Red (82%)
- Yellow (93%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (18%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4577, 82.4689, 77.1703 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 70.4577, 82.4689, 77.1703 by changing the saturation by 10% instead.

70.4577, 82.4689,
77.1703

70.4577, 82.4689,
77.1703

451.3968,
503.2148, 504.7975

52.1807, 61.7521,
56.8803

118.8840,
136.8314, 131.1551

37.3740, 44.8324,
40.5004

149.7639,
171.2458, 165.6869

25.6722, 31.3255,
27.6122

185.5756,
210.9950, 205.8030

16.7100, 20.8468,
17.7970

226.6843,
256.4632, 251.9220

10.1219, 13.0121,
10.6364

273.4554,
308.0349, 304.4624

5.5428, 7.4369,
5.7118

326.2543,

2.6071, 3.7368,

366.0945, 363.8428

2.6047

385.4463,
431.0263, 430.4816

■ 0.9496, 1.5274,
0.8949

■ 0.0000, 0.3079,
0.0000

■ 70.4577, 82.4689,
77.1703

■ 70.4577, 82.4689,
77.1703

■ 61.8551, 78.3007,
64.8302

■ 80.3881, 87.2943,
91.0194

■ 54.5169, 74.7511,
53.9428

■ 91.1008, 92.4877,
106.3929

■ 48.3843, 71.7932,
44.4560

■ 91.3421, 92.5843,
107.6640

■ 43.3914, 69.3944,
36.3128

■ 39.4656, 67.5183,
29.4521

■ 36.5257, 66.1246,
23.8080

■ 34.4785, 65.1667,
19.3089

■ 33.2113, 64.5881,
15.8751

■ 32.7547, 64.3853,
14.3838

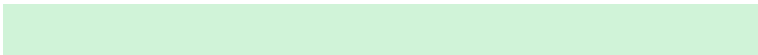
Harmonies

Analogous

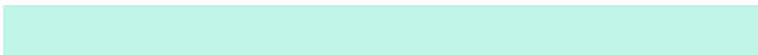
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6876, 82.4689, 68.4972



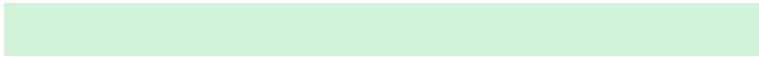
70.4577, 82.4689, 77.1703



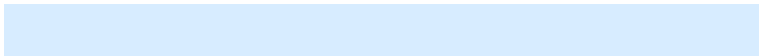
69.3309, 82.4689, 90.0615

Triad

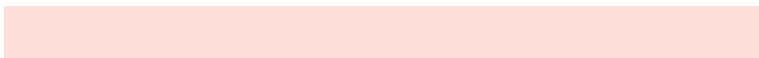
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4577, 82.4689, 77.1703



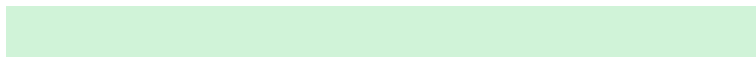
78.4773, 82.4689, 119.5860



86.7843, 82.4689, 76.7537

Complementary

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



70.4577, 82.4689, 77.1703



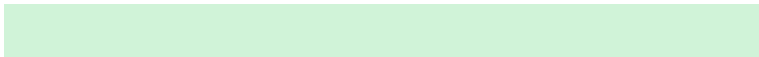
74.5164, 70.1667, 88.2172

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.



88.1932, 82.4689, 89.5283



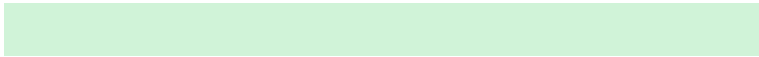
70.4577, 82.4689, 77.1703



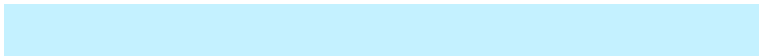
83.2763, 82.4689, 115.1039

Square

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



70.4577, 82.4689, 77.1703



73.8424, 82.4689, 115.4188



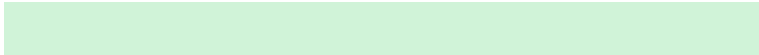
86.8840, 82.4689, 103.7257



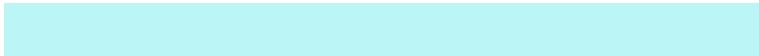
83.1085, 82.4689, 68.2748

Rectangle

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



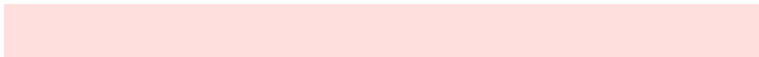
70.4577, 82.4689, 77.1703



69.8855, 82.4689, 99.6160



86.8840, 82.4689, 103.7257



87.5454, 82.4689, 80.6410

Sweetspot

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



70.4600, 82.4724, 77.1721



90.1552, 97.6200, 102.1928



77.8377, 86.3924, 72.2486



19.1058, 20.8018, 21.6102



0.0000, 0.0000, 0.0000



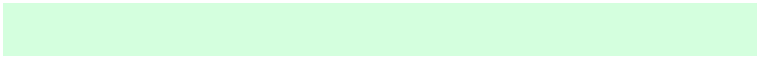
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4600, 82.4724, 77.1721



75.9362, 90.7153, 82.3044



72.7856, 83.4026, 89.4185



16.4373, 18.5341, 18.3213



18.0183, 35.3521, 8.1159



1.6213, 3.1222, 0.9118

Inverse Universe

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



74.5164, 70.1667, 88.2172



81.1916, 74.7704, 96.6130



72.1646, 69.2260, 75.8328



17.0421, 16.6997, 19.9682



25.2901, 12.4595, 27.2996



2.2614, 1.1105, 2.6026

Previews

White Background



This preview shows how the XYZ color 70.4577, 82.4689, 77.1703 looks on a white background.

Color Contrast Check

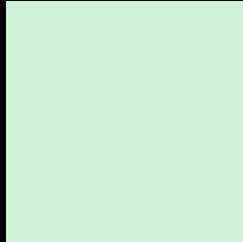
Large Text (above 18pt) WCAG AA × Fail

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 70.4577, 82.4689, 77.1703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

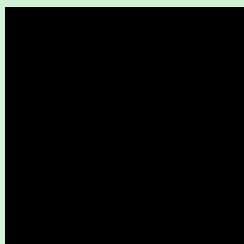
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

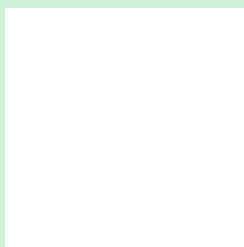
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4577, 82.4689, 77.1703

Background



This preview shows how black text looks on a background with the XYZ color 70.4577, 82.4689, 77.1703.

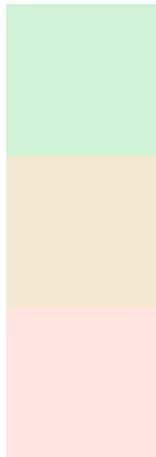


This preview shows how white text looks on a background with the XYZ color 70.4577, 82.4689,

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

70.4577, 82.4689, 77.1703

Protanopia

77.8589, 82.0357, 73.3589

Deuteranopia

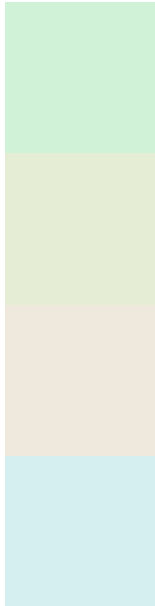
82.3027, 82.0745, 81.3162



Tritanopia

76.6531, 82.3873, 106.4700

Trichromacy



Original Color

70.4577, 82.4689, 77.1703

Protanomaly

74.9276, 82.1955, 74.8670

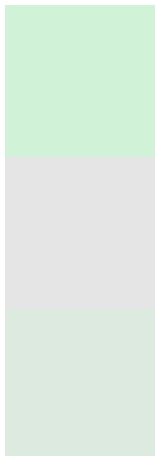
Deuteranomaly

77.3171, 81.6223, 79.3898

Tritanomaly

74.1843, 82.2300, 95.1811

Monochromacy



Original Color

70.4577, 82.4689, 77.1703

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.6962, 79.5996, 82.0538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4577, 82.4689, 77.1703 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(208, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(208, 243, 216)  
}
```

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(208, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 70.4577, 82.4689, 77.1703 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(208, 243, 216) }
```


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

```
.border{ border-color:rgb(208, 243, 216) }
```

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

Here you see how a box with a 4 pixel rgb(208, 243, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(208, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4577, 82.4689, 77.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 243, 216) }
```

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

```
.background{ background-color: rgb(208,  
243, 216) }
```

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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