

# Converting Colors

XYZ(74.3050, 88.2548, 85.3057)

Have a look what the booklet for  
XYZ(74.3050, 88.2548, 85.3057)  
contains.

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# Color

**XYZ(74.2700, 88.3772,  
85.0956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFCE2
RGB	207, 252, 226
RGB Percent	81%, 99%, 89%
CMY	0.1882, 0.0117, 0.1137
CMYK	0.18, 0.00, 0.10, 0.01
HSL	145°, 88%, 90%
HSV	145°, 18%, 99%
XYZ	74.2700, 88.3772, 85.0956
YIQ	235.5810, -18.4740, -17.6260

# Conversions

## Conversions Part 2

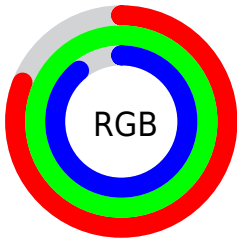
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 239, 252
Decimal	13630690
CIE <sub>Lab</sub>	95.32, -19.29, 7.71
CIE <sub>LCh</sub>	95, 20.774, 158.225
Yxy	88.3772, 0.2998, 0.3567
Android (android.graphics.Color)	4291820770 (0xFFCFFCE2)
YUV	235.5810, -4.7234, -25.0655
Hunter-Lab	94.0091, -23.4957, 12.1380

# Details

The XYZ color **74.2700, 88.3772, 85.0956** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.1688, 71.2065, 86.7717**, and the grayscale version is **79.4556, 83.5935, 91.0333**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.8147, 48.6459, 45.8192** is the 20% darker color. If you saturate the color by 10%, you get **65.8698, 84.2704, 74.7123**, and if you desaturate by 10%, it is **83.9685, 93.1386, 96.4292**.

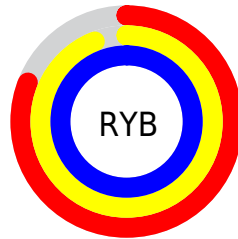
# Distribution



Red (81%)

Green (99%)

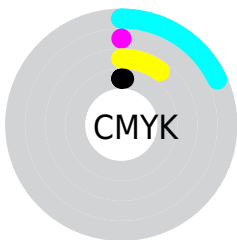
Blue (89%)



Red (81%)

Yellow (94%)

Blue (99%)

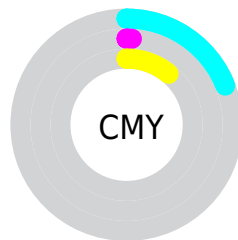


Cyan (18%)

Magenta (0%)

Yellow (10%)

Black (1%)



Cyan (19%)

Magenta (1%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2700, 88.3772, 85.0956 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 74.2700, 88.3772, 85.0956 by changing the saturation by 10% instead.




 74.2700, 88.3772,  
85.0956

 74.2700, 88.3772,  
85.0956


464.4406,  
522.7377, 532.0972

 55.3071, 66.6355,  
63.3698


124.2719,  
145.0822, 142.3821

 39.8825, 48.7885,  
45.6975


156.0417,  
180.8143, 178.7798

 27.6307, 34.4517,  
31.6602


192.8111,  
221.9786, 220.9053

 18.1865, 23.2408,  
20.8394

234.9455,  
268.9595, 269.1770

 11.1845, 14.7714,  
12.8166

282.8104,  
322.1415, 324.0135

 6.2593, 8.6591,  
7.1731

336.7709,

 3.0455, 4.5195,

381.9090, 385.8333

3.4905

397.1925,  
448.6462, 455.0551

■ 1.1779, 1.9682,  
1.3502

■ 0.0888, 0.5889,  
0.1024

■ 74.2700, 88.3772,  
85.0956

■ 74.2700, 88.3772,  
85.0956

■ 65.8698, 84.2704,  
74.7123

■ 83.9685, 93.1386,  
96.4292

■ 58.7032, 80.7779,  
65.2489

■ 94.1021, 98.1042,  
108.5840

■ 52.7108, 77.8721,  
56.6816

■ 47.8250, 75.5187,  
48.9835

■ 43.9714, 73.6799,  
42.1263

■ 41.0653, 72.3126,  
36.0801

■ 39.0079, 71.3664,  
30.8127

■ 37.6677, 70.7742,  
26.2889

■ 37.4342, 70.6730,  
25.4118

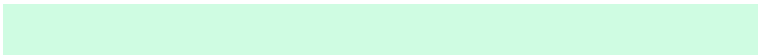
# Harmonies

## Analogous

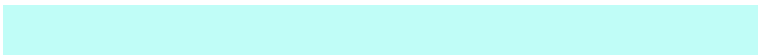
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4284, 88.3772, 73.7091



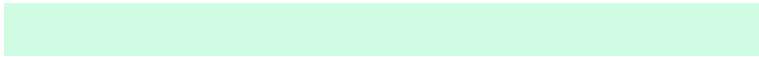
74.2700, 88.3772, 85.0956



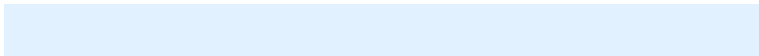
73.6579, 88.3772, 100.7672

# Triad

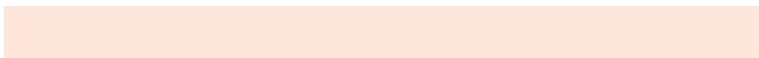
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.2700, 88.3772, 85.0956



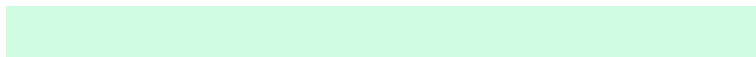
85.5703, 88.3772, 130.5836



92.8657, 88.3772, 78.1602

# Complementary

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



74.2700, 88.3772, 85.0956



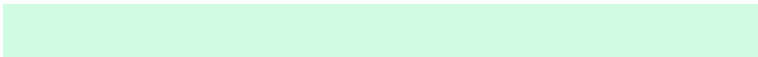
77.1688, 71.2065, 86.7717

# 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.



95.2672, 88.3772, 91.8267



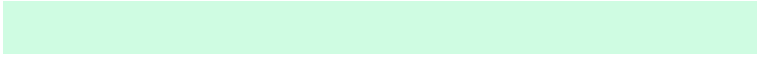
74.2700, 88.3772, 85.0956



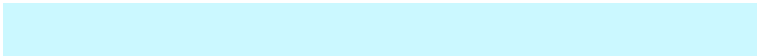
90.9330, 88.3772, 122.9208

# Square

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



74.2700, 88.3772, 85.0956



80.0172, 88.3772, 128.2587



94.5445, 88.3772, 108.2907

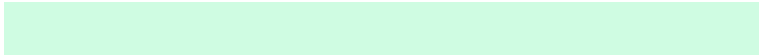


88.1126, 88.3772, 70.0300



# Rectangle

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



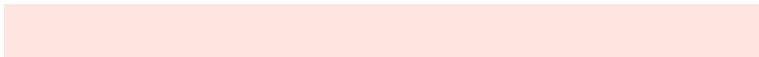
74.2700, 88.3772, 85.0956



74.7489, 88.3772, 111.7743



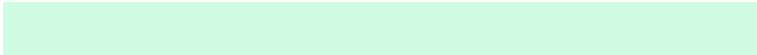
94.5445, 88.3772, 108.2907



93.9843, 88.3772, 82.1940

# Sweetspot

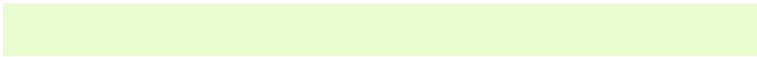
The Sweet Spot groups the original color and five complimentary colors.



74.2724, 88.3809, 85.0976



89.3502, 97.1961, 102.5601



79.7620, 91.4956, 72.4892



18.9592, 20.7226, 21.7657



0.0000, 0.0000, 0.0000

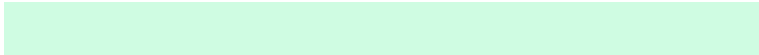


20.3446, 21.4041, 23.3091

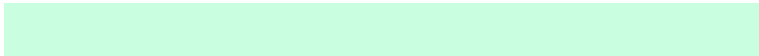


# Same Dimension

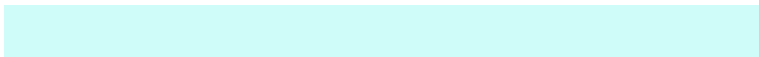
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.2724, 88.3809, 85.0976



73.4310, 89.3850, 83.9453



77.5276, 89.6830, 102.2389



17.3214, 19.4308, 19.8932



19.5688, 36.8405, 13.6048



1.8641, 3.4327, 1.5322



# Inverse Universe

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



77.1688, 71.2065, 86.7717



76.8529, 69.0919, 85.9214



74.1869, 70.0137, 71.0691



17.6651, 17.3934, 20.0922



23.6740, 11.8853, 15.5234

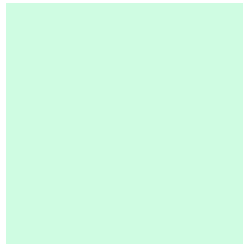


2.2456, 1.1220, 1.7166



# Previews

## White Background



This preview shows how the XYZ color 74.2700, 88.3772, 85.0956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

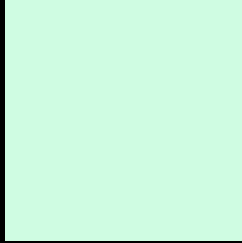
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2700, 88.3772, 85.0956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

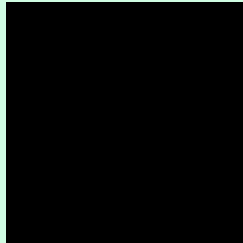
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

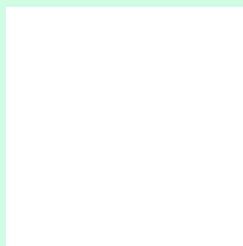
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.2700, 88.3772, 85.0956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2700, 88.3772, 85.0956.



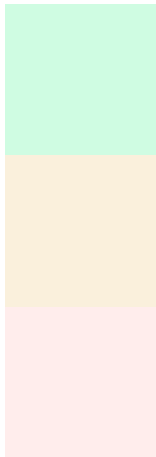
This preview shows how white text looks on a background with the XYZ color 74.2700, 88.3772,

85.0956.

# 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

74.2700, 88.3772, 85.0956

### Protanopia

83.5027, 87.8115, 80.2584

### Deuteranopia

86.6645, 87.8845, 91.7526



## Tritanopia

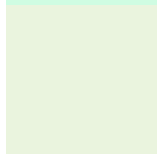
82.0792, 88.2523, 107.3161

# Trichromacy



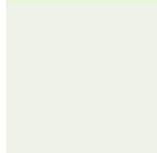
## Original Color

74.2700, 88.3772, 85.0956



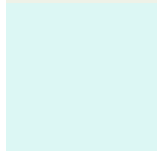
## Protanomaly

79.4672, 87.4677, 81.8018



## Deuteranomaly

81.5775, 87.5076, 88.9350



## Tritanomaly

79.1051, 88.2688, 98.4563

# Monochromacy



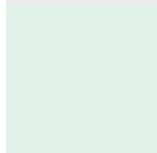
## Original Color

74.2700, 88.3772, 85.0956



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.3690, 85.3380, 88.7380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2700, 88.3772, 85.0956 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(207, 252, 226)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 226)  
}
```

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(207, 252, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2700, 88.3772, 85.0956 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".

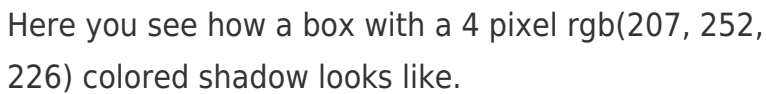
```
.border, #border, table{ border:4px solid rgb(207, 252, 226) }
```



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

```
.border{ border-color:rgb(207, 252, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 252, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 252, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 252, 226); box-shadow:4px 4px 4px 4px rgb(207, 252, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2700, 88.3772, 85.0956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 226) }
```

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

```
.background{ background-color: rgb(207,  
252, 226) }
```

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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