

# Converting Colors

XYZ(71.5163, 83.4357, 78.2471)

Have a look what the booklet for  
XYZ(71.5163, 83.4357, 78.2471)  
contains.

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# Color

**XYZ(71.4534, 83.4128,  
77.9799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F4D9
RGB	210, 244, 217
RGB Percent	82%, 96%, 85%
CMY	0.1765, 0.0431, 0.1490
CMYK	0.14, 0.00, 0.11, 0.04
HSL	132°, 61%, 89%
HSV	132°, 14%, 96%
XYZ	71.4534, 83.4128, 77.9799
YIQ	230.7560, -11.5970, -15.6050

# Conversions

## Conversions Part 2

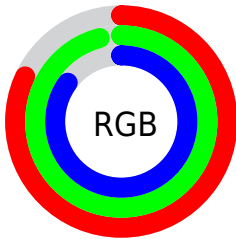
Format	Color
R <sub>Y</sub> B	210, 238, 244
Decimal	13825241
CIE Lab	93.19, -16.03, 9.33
CIE LCh	93, 18.547, 149.804
Yxy	83.4128, 0.3069, 0.3582
Android (android.graphics.Color)	4292015321 (0xFFD2F4D9)
YUV	230.7560, -6.7817, -18.2030
Hunter-Lab	91.3306, -20.1773, 13.3084

# Details

The XYZ color **71.4534, 83.4128, 77.9799** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6439, 71.4427, 89.9276**, and the grayscale version is **75.8312, 79.7803, 86.8807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0224, 45.5436, 40.9692** is the 20% darker color. If you saturate the color by 10%, you get **62.6550, 79.1537, 65.1753**, and if you desaturate by 10%, it is **81.6116, 88.3434, 92.3965**.

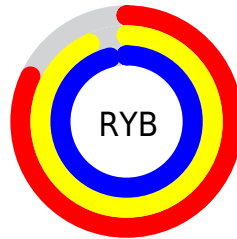
# Distribution



Red (82%)

Green (96%)

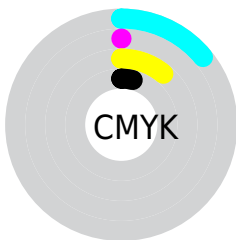
Blue (85%)



Red (82%)

Yellow (93%)

Blue (96%)

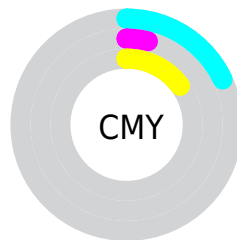


Cyan (14%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (18%)

Magenta (4%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4534, 83.4128, 77.9799 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 71.4534, 83.4128, 77.9799 by changing the saturation by 10% instead.




 71.4534, 83.4128,  
77.9799

 71.4534, 83.4128,  
77.9799


454.8241,  
506.3612, 507.6247

 52.9962, 62.5307,  
57.5411


120.2941,  
138.1535, 132.3074

 38.0272, 45.4617,  
41.0276


151.4083,  
172.7809, 167.0332

 26.1811, 31.8212,  
28.0208


187.4721,  
212.7589, 207.3584

 17.0925, 21.2250,  
18.1021

228.8510,  
258.4718, 253.7016

 10.3962, 13.2886,  
10.8531

275.9103,  
310.3041, 306.4813

 5.7267, 7.6276,  
5.8552

329.0153,

 2.7187, 3.8576,

368.6402, 366.1160

2.6899

388.5315,  
433.8645, 433.0243

■ 1.0068, 1.5942,  
0.9383

■ 0.0000, 0.3537,  
0.0000

■ 71.4534, 83.4128,  
77.9799

■ 71.4534, 83.4128,  
77.9799

■ 62.6550, 79.1537,  
65.1753

■ 81.6116, 88.3434,  
92.3965

■ 55.1514, 75.5268,  
53.9212

■ 91.6423, 93.1846,  
107.7641

■ 48.8828, 72.5048,  
44.1603

■ 43.7816, 70.0542,  
35.8297

■ 39.7739, 68.1382,  
28.8619

■ 36.7768, 66.7157,  
23.1840

■ 34.6953, 65.7394,  
18.7162

■ 33.4151, 65.1521,  
15.3696

■ 32.9331, 64.9370,  
13.8424

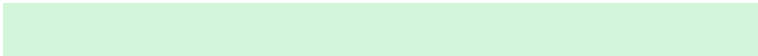
# Harmonies

## Analogous

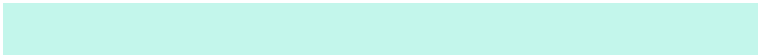
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7135, 83.4128, 69.4651



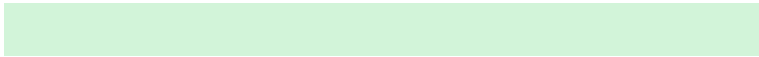
71.4534, 83.4128, 77.9799



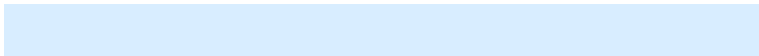
70.2734, 83.4128, 90.7307

# Triad

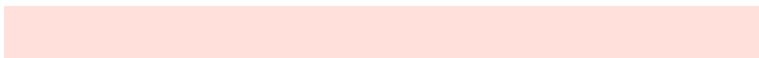
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4534, 83.4128, 77.9799



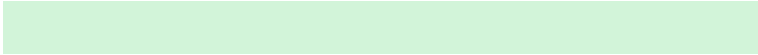
79.2494, 83.4128, 120.3954



87.6954, 83.4128, 78.1234

# Complementary

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



71.4534, 83.4128, 77.9799



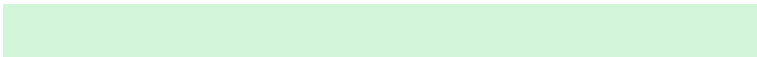
75.6439, 71.4427, 89.9276

# 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.



89.0279, 83.4128, 90.9141



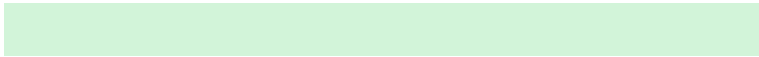
71.4534, 83.4128, 77.9799



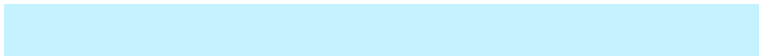
84.0317, 83.4128, 116.1617

# Square

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



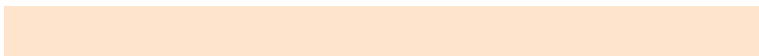
71.4534, 83.4128, 77.9799



74.6602, 83.4128, 116.0537



87.6611, 83.4128, 105.0027

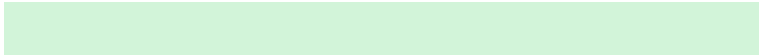


84.0893, 83.4128, 69.5418

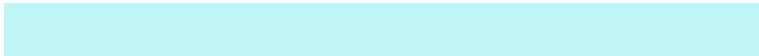


# Rectangle

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



71.4534, 83.4128, 77.9799



70.7861, 83.4128, 100.2236



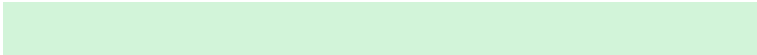
87.6611, 83.4128, 105.0027



88.4305, 83.4128, 82.0282

# Sweetspot

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



71.4557, 83.4163, 77.9817



90.1195, 97.6057, 102.0047



78.9788, 87.3976, 73.6805



19.0968, 20.7982, 21.5627



0.0000, 0.0000, 0.0000

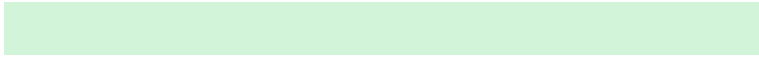


20.3446, 21.4041, 23.3091

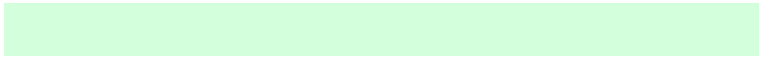


# Same Dimension

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



71.4557, 83.4163, 77.9817



75.8051, 90.6629, 81.6141



73.7542, 84.3358, 90.0857



16.4217, 18.5278, 18.2392



17.9456, 35.3231, 7.7333



1.6129, 3.1188, 0.8672



# Inverse Universe

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



75.6439, 71.4427, 89.9276



81.3422, 74.8306, 97.4061



73.3022, 70.5060, 77.5965



17.0589, 16.7064, 20.0567



25.6178, 12.5906, 29.0254

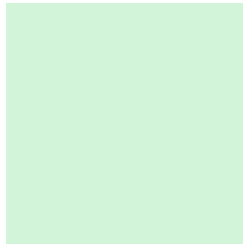


2.2875, 1.1210, 2.7405



# Previews

## White Background



This preview shows how the XYZ color 71.4534, 83.4128, 77.9799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

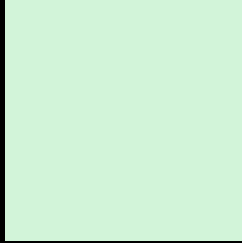
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4534, 83.4128, 77.9799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

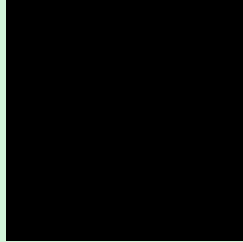
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

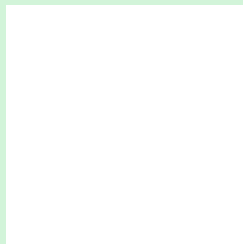
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.4534, 83.4128, 77.9799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4534, 83.4128, 77.9799.



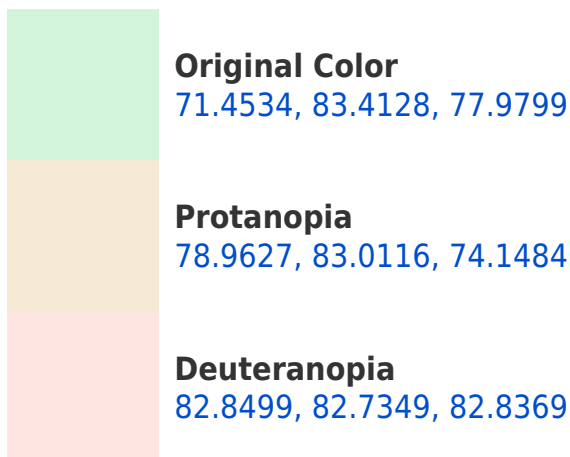
This preview shows how white text looks on a background with the XYZ color 71.4534, 83.4128,

77.9799.

# 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





## Tritanopia

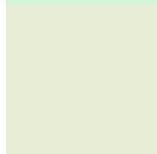
77.8380, 83.4291, 106.6087

# Trichromacy



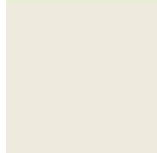
## Original Color

71.4534, 83.4128, 77.9799



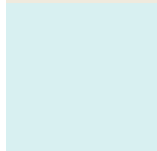
## Protanomaly

75.9908, 83.1599, 75.6647



## Deuteranomaly

78.2042, 82.4703, 80.9038



## Tritanomaly

75.3562, 83.2700, 95.3201

# Monochromacy



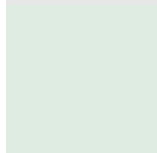
## Original Color

71.4534, 83.4128, 77.9799



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.1543, 81.1699, 83.7105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4534, 83.4128, 77.9799 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(210, 244, 217)` looks like.

```
.text, #text, p{  
    color:rgb(210, 244, 217)  
}
```

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(210, 244, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 244, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4534, 83.4128, 77.9799 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(210, 244, 217) }
```



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

```
.border{ border-color:rgb(210, 244, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 244, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 244, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 244, 217);  
box-shadow:4px 4px 4px 4px rgb(210, 244,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4534, 83.4128, 77.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 244, 217) }
```

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

```
.background{ background-color: rgb(210,  
244, 217) }
```

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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