

# Converting Colors

XYZ(71.1591, 83.6707, 72.7870)

Have a look what the booklet for  
XYZ(71.1591, 83.6707, 72.7870)  
contains.

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# Color

**XYZ(71.3124, 83.9053,  
72.7584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F5D1
RGB	212, 245, 209
RGB Percent	83%, 96%, 82%
CMY	0.1686, 0.0392, 0.1804
CMYK	0.13, 0.00, 0.15, 0.04
HSL	115°, 64%, 89%
HSV	115°, 15%, 96%
XYZ	71.3124, 83.9053, 72.7584
YIQ	231.0290, -8.1120, -18.1920

# Conversions

## Conversions Part 2

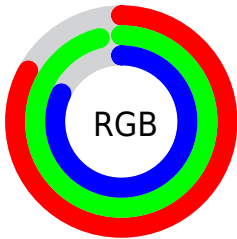
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 245, 242
Decimal	13956561
CIE <sub>Lab</sub>	93.41, -17.25, 13.78
CIE <sub>LCh</sub>	93, 22.084, 141.378
Yxy	83.9053, 0.3128, 0.3680
Android (android.graphics.Color)	4292146641 (0xFFD4F5D1)
YUV	231.0290, -10.8603, -16.6884
Hunter-Lab	91.5998, -21.3337, 17.0254

# Details

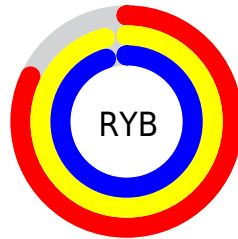
The XYZ color **71.3124, 83.9053, 72.7584** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.9033, 71.0731, 96.1085**, and the grayscale version is **76.0617, 80.0229, 87.1449**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0186, 45.9298, 37.8719** is the 20% darker color. If you saturate the color by 10%, you get **62.4794, 79.6781, 57.7099**, and if you desaturate by 10%, it is **81.5171, 88.7906, 90.3096**.

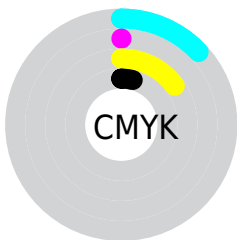
# Distribution



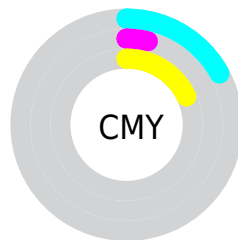
- Red (83%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (96%)
- Blue (95%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (17%)
- Magenta (4%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3124, 83.9053, 72.7584 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 71.3124, 83.9053, 72.7584 by changing the saturation by 10% instead.




 71.3124, 83.9053,  
72.7584

 71.3124, 83.9053,  
72.7584


454.3396,  
507.9987, 489.2253

 52.8806, 62.9373,  
53.2878


120.0945,  
138.8427, 124.8519

 37.9346, 45.7904,  
37.6433


151.1756,  
173.5808, 158.3119

 26.1089, 32.0805,  
25.4063

187.2038,  
213.6778, 197.2721

 17.0382, 21.4230,  
16.1582

228.5446,  
259.5180, 242.1511

 10.3572, 13.4335,  
9.4806

275.5632,  
311.4858, 293.3674

 5.7005, 7.7278,  
4.9549

328.6250,

 2.7028, 3.9212,

369.9655, 351.3395

2.1626

388.0953,  
435.3417, 416.4859

■ 0.9986, 1.6296,  
0.6526

■ 0.0000, 0.3774,  
0.0000

■ 71.3124, 83.9053,  
72.7584

■ 71.3124, 83.9053,  
72.7584

■ 62.4794, 79.6781,  
57.7099

■ 81.5171, 88.7906,  
90.3096

■ 54.9530, 76.0707,  
45.0449

■ 91.9440, 93.7881,  
107.8647

■ 48.6732, 73.0570,  
34.6429

■ 43.5725, 70.6053,  
26.3706

■ 39.5768, 68.6805,  
20.0807

■ 36.6038, 67.2438,  
15.6074

■ 34.5596, 66.2510,  
12.7578

■ 33.3325, 65.6495,  
11.2955

■ 32.9510, 65.4612,  
10.8986

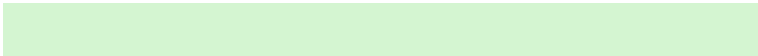
# Harmonies

## Analogous

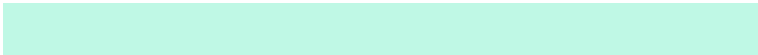
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7347, 83.9053, 64.6182



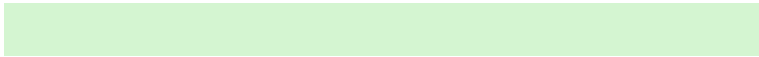
71.3124, 83.9053, 72.7584



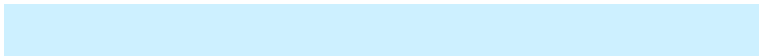
69.1771, 83.9053, 86.6323

# Triad

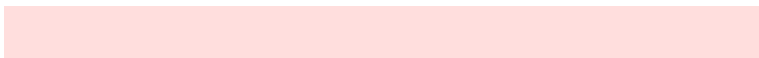
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3124, 83.9053, 72.7584



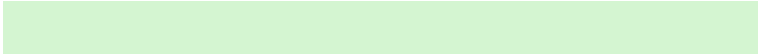
78.0816, 83.9053, 126.8970



90.6441, 83.9053, 80.1542

# Complementary

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



71.3124, 83.9053, 72.7584



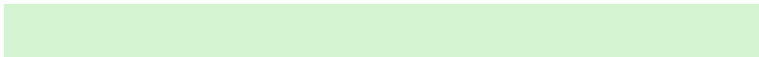
75.9033, 71.0731, 96.1085

# 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.



91.3476, 83.9053, 96.2538



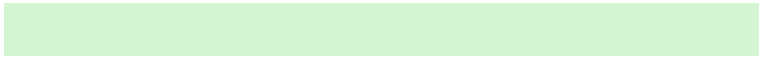
71.3124, 83.9053, 72.7584



83.9037, 83.9053, 124.6138

# Square

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



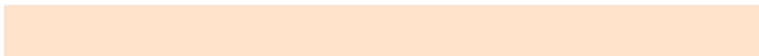
71.3124, 83.9053, 72.7584



72.9587, 83.9053, 118.7907



88.8271, 83.9053, 112.8859

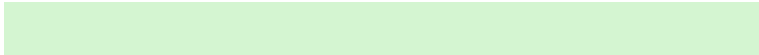


86.9491, 83.9053, 68.5126

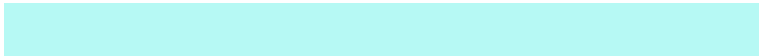


# Rectangle

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



71.3124, 83.9053, 72.7584



69.2623, 83.9053, 97.8362



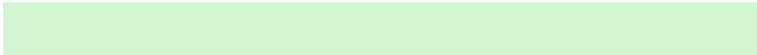
88.8271, 83.9053, 112.8859



91.2452, 83.9053, 85.1734

# Sweetspot

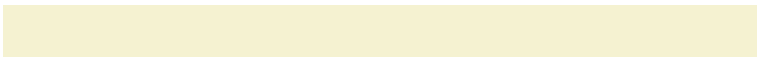
The Sweet Spot groups the original color and five complimentary colors.



71.3147, 83.9089, 72.7602



90.0942, 97.6299, 100.3222



80.9206, 87.5243, 72.9518



19.0904, 20.8043, 21.1388



0.0000, 0.0000, 0.0000

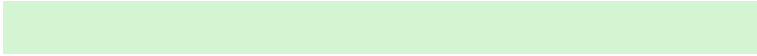


20.3446, 21.4041, 23.3091

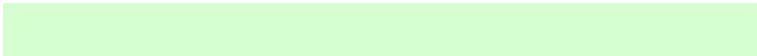


# Same Dimension

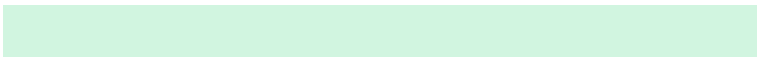
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3147, 83.9089, 72.7602



74.6995, 90.2631, 73.8720



72.4041, 84.2457, 82.9684



16.4101, 18.5380, 17.5108



17.7959, 35.2869, 5.8731



1.6072, 3.1236, 0.5182



# Inverse Universe

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



75.9033, 71.0731, 96.1085



80.7222, 73.4120, 104.5232



74.7425, 70.7287, 84.5785



17.0695, 16.6940, 20.8652



25.5957, 12.1694, 47.5379

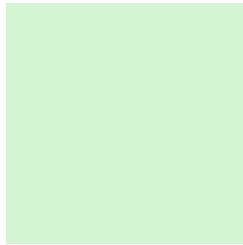


2.2891, 1.0899, 4.1800



# Previews

## White Background



This preview shows how the XYZ color 71.3124, 83.9053, 72.7584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

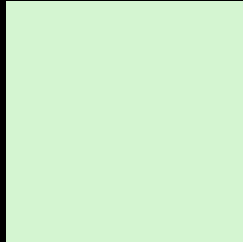
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3124, 83.9053, 72.7584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

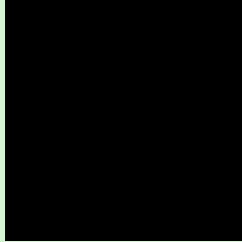
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

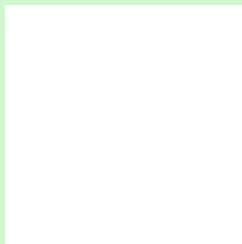
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.3124, 83.9053, 72.7584

## Background



This preview shows how black text looks on a background with the XYZ color 71.3124, 83.9053, 72.7584.



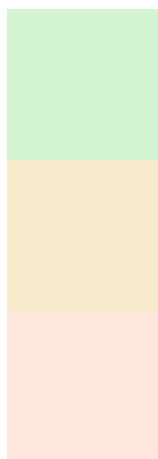
This preview shows how white text looks on a background with the XYZ color 71.3124, 83.9053,

72.7584.

# 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

71.3124, 83.9053, 72.7584

### Protanopia

78.9652, 83.5505, 69.0917

### Deuteranopia

83.0007, 83.6858, 80.8856



## **Tritanopia**

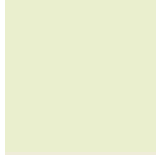
78.7487, 83.8987, 106.6513

# Trichromacy



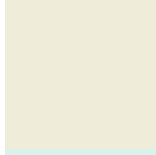
## Original Color

71.3124, 83.9053, 72.7584



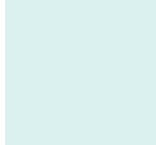
## Protanomaly

75.9388, 83.6817, 70.5423



## Deuteranomaly

78.1164, 83.3514, 77.6169



## Tritanomaly

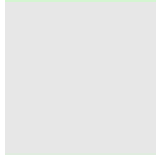
75.8014, 83.9891, 93.1053

# Monochromacy



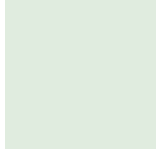
## Original Color

71.3124, 83.9053, 72.7584



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.0552, 81.1659, 81.5755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3124, 83.9053, 72.7584 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(212, 245, 209) looks like.

```
.text, #text, p{  
    color:rgb(212, 245, 209)  
}
```

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(212, 245, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 245, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3124, 83.9053, 72.7584 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(212, 245, 209) }
```



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

```
.border{ border-color:rgb(212, 245, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 245, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 245, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 245, 209);  
box-shadow:4px 4px 4px 4px rgb(212, 245,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3124, 83.9053, 72.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 245, 209) }
```

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

```
.background{ background-color: rgb(212,  
245, 209) }
```

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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