

Converting Colors

XYZ(73.2236, 84.8656, 79.8025)

Have a look what the booklet for
XYZ(73.2236, 84.8656, 79.8025)
contains.

XYZ(73.1701, 84.7154, 79.5131)	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(73.1701, 84.7154,
79.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F5DB
RGB	214, 245, 219
RGB Percent	84%, 96%, 86%
CMY	0.1608, 0.0392, 0.1412
CMYK	0.13, 0.00, 0.11, 0.04
HSL	130°, 61%, 90%
HSV	130°, 13%, 96%
XYZ	73.1701, 84.7154, 79.5131
YIQ	232.7670, -10.1300, -14.6580

Conversions

Conversions Part 2

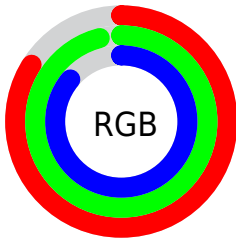
Format	Color
R _Y B	214, 241, 245
Decimal	14087643
CIE Lab	93.76, -14.86, 9.14
CIE LCh	94, 17.441, 148.403
Yxy	84.7154, 0.3082, 0.3568
Android (android.graphics.Color)	4292277723 (0xFFD6F5DB)
YUV	232.7670, -6.7871, -16.4587
Hunter-Lab	92.0410, -19.1690, 13.2088

Details

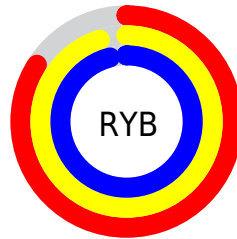
The XYZ color **73.1701, 84.7154, 79.5131** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4339, 73.7988, 92.6052**, and the grayscale version is **77.3337, 81.3611, 88.6022**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1965, 46.4465, 42.0211** is the 20% darker color. If you saturate the color by 10%, you get **64.0102, 80.2892, 65.8241**, and if you desaturate by 10%, it is **83.7442, 89.8368, 95.0151**.

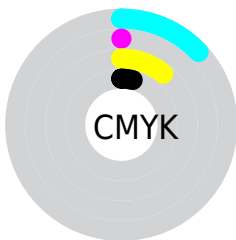
Distribution



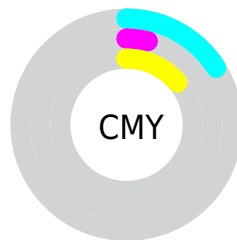
- Red (84%)
- Green (96%)
- Blue (86%)



- Red (84%)
- Yellow (95%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1701, 84.7154, 79.5131 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 73.1701, 84.7154, 79.5131 by changing the saturation by 10% instead.


 73.1701, 84.7154,
79.5131

 73.1701, 84.7154,
79.5131


460.6988,
510.6859, 512.9539

 54.4039, 63.6063,
58.7940

122.7205,
139.9755, 134.4862

 39.1566, 46.3318,
42.0284


154.2354,
174.8952, 169.5772

 27.0629, 32.5078,
28.7978


190.7307,
215.1872, 210.2959

 17.7573, 21.7496,
18.6836

232.5716,
261.2360, 257.0608

 10.8745, 13.6730,
11.2674

280.1235,
313.4258, 310.2906

 6.0492, 7.8936,
6.1306

333.7517,

 2.9160, 4.0270,

372.1411, 370.4036

2.8546

393.8217,
437.7664, 437.8185

■ 1.1095, 1.6887,
1.0209

■ 0.0330, 0.4163,
0.0000

■ 73.1701, 84.7154,
79.5131

■ 73.1701, 84.7154,
79.5131

■ 64.0102, 80.2892,
65.8241

■ 83.7442, 89.8368,
95.0151

■ 56.1974, 76.5179,
53.8765

■ 91.9440, 93.7881,
107.8647

■ 49.6698, 73.3735,
43.6021

■ 44.3579, 70.8216,
34.9262

■ 40.1851, 68.8246,
27.7681

■ 37.0666, 67.3405,
22.0405

■ 34.9048, 66.3211,
17.6468

■ 33.5837, 65.7088,
14.4787

■ 33.0289, 65.4580,
12.8585

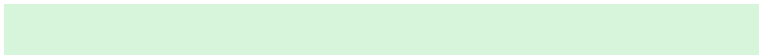
Harmonies

Analogous

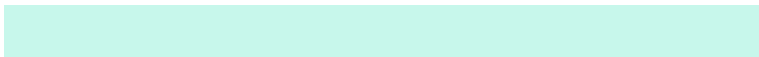
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3574, 84.7154, 71.5765



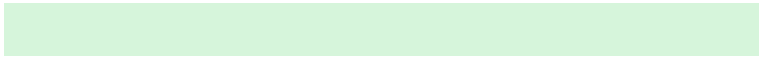
73.1701, 84.7154, 79.5131



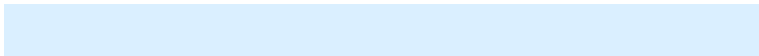
71.9417, 84.7154, 91.5318

Triad

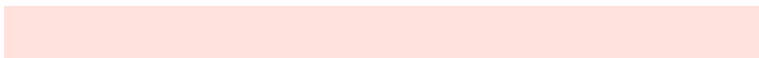
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1701, 84.7154, 79.5131



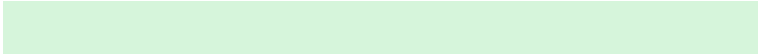
80.2715, 84.7154, 120.1553



88.6094, 84.7154, 80.6333

Complementary

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



73.1701, 84.7154, 79.5131



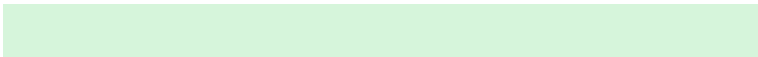
77.4339, 73.7988, 92.6052

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.



89.7532, 84.7154, 92.9532



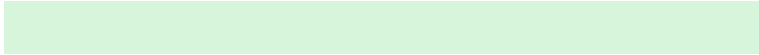
73.1701, 84.7154, 79.5131



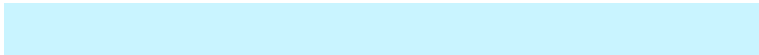
84.8301, 84.7154, 116.5422

Square

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



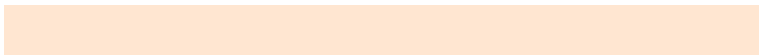
73.1701, 84.7154, 79.5131



75.9432, 84.7154, 115.7135



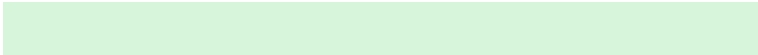
88.3451, 84.7154, 106.2587



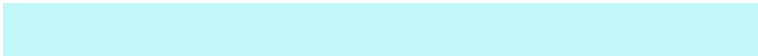
85.2759, 84.7154, 72.1784

Rectangle

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



73.1701, 84.7154, 79.5131



72.3618, 84.7154, 100.5287



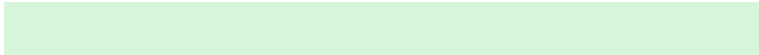
88.3451, 84.7154, 106.2587



89.2682, 84.7154, 84.4211

Sweetspot

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



73.1724, 84.7190, 79.5150



90.0494, 97.5777, 101.6357



80.8476, 88.7506, 76.4887



19.0792, 20.7911, 21.4697



0.0000, 0.0000, 0.0000



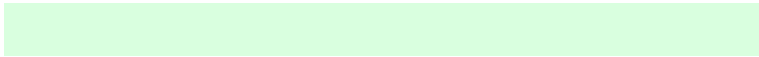
20.3446, 21.4041, 23.3091

Same Dimension

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



73.1724, 84.7190, 79.5150



77.6094, 91.5568, 83.3367



75.2594, 85.5538, 90.5049



16.3912, 18.5156, 18.0784



17.8252, 35.2749, 7.0991



1.5979, 3.1128, 0.7883

Inverse Universe

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



77.4339, 73.7988, 92.6052



83.0610, 77.5859, 100.0820



75.2755, 72.9355, 81.2394



17.0921, 16.7197, 20.2315



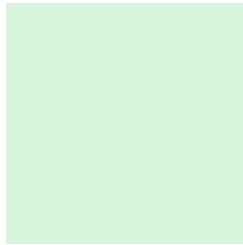
26.2976, 12.8625, 32.6053



2.3414, 1.1425, 3.0240

Previews

White Background



This preview shows how the XYZ color 73.1701, 84.7154, 79.5131 looks on a white background.

Color Contrast Check

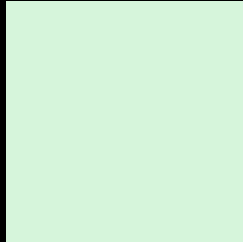
Large Text (above 18pt) WCAG AA × Fail

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 73.1701, 84.7154, 79.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

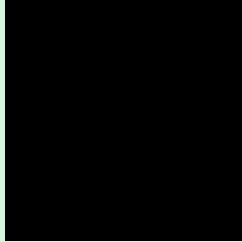
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

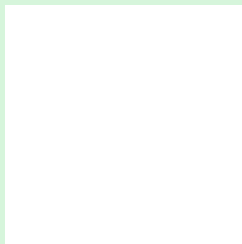
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1701, 84.7154, 79.5131

Background



This preview shows how black text looks on a background with the XYZ color 73.1701, 84.7154, 79.5131.



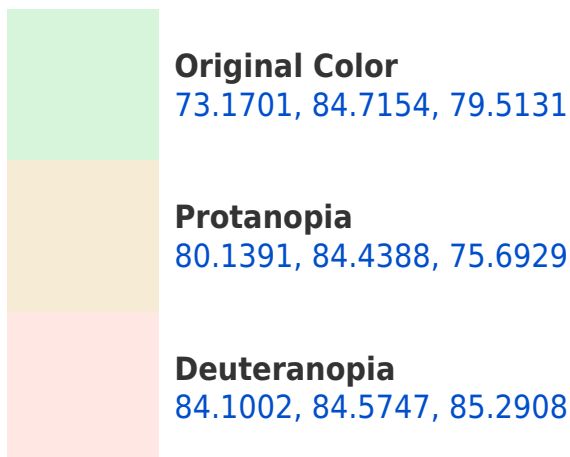
This preview shows how white text looks on a background with the XYZ color 73.1701, 84.7154,

79.5131.

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

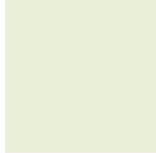
79.3479, 84.6410, 106.7630

Trichromacy



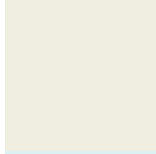
Original Color

73.1701, 84.7154, 79.5131



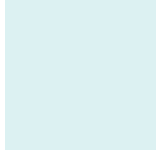
Protanomaly

77.1929, 84.1833, 77.1462



Deuteranomaly

79.8100, 84.5299, 83.3436



Tritanomaly

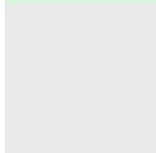
76.9975, 84.5370, 96.2635

Monochromacy



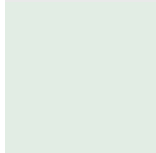
Original Color

73.1701, 84.7154, 79.5131



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.6518, 82.3386, 85.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1701, 84.7154, 79.5131 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(214, 245, 219)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 219)  
}
```

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(214, 245, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 219) }
```

Border

The CSS property to change the border of an element to XYZ 73.1701, 84.7154, 79.5131 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(214, 245, 219) }
```


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

```
.border{ border-color:rgb(214, 245, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 245, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 219);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1701, 84.7154, 79.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 245, 219) }
```

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

```
.background{ background-color: rgb(214,  
245, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor