

Converting Colors

XYZ(74.4659, 85.8800, 86.3628)

Have a look what the booklet for
XYZ(74.4659, 85.8800, 86.3628)
contains.

XYZ(74.3999, 85.6591, 86.0114)	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(74.3999, 85.6591,
86.0114)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F6E4
RGB	213, 246, 228
RGB Percent	84%, 96%, 89%
CMY	0.1647, 0.0353, 0.1059
CMYK	0.13, 0.00, 0.07, 0.04
HSL	147°, 65%, 90%
HSV	147°, 13%, 96%
XYZ	74.3999, 85.6591, 86.0114
YIQ	234.0810, -13.8900, -12.5940

Conversions

Conversions Part 2

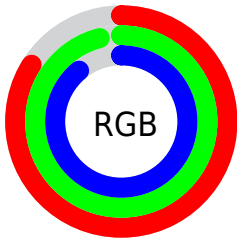
Format	Color
R _Y B	213, 236, 246
Decimal	14022372
CIE _{Lab}	94.17, -14.05, 5.06
CIE _{LCh}	94, 14.936, 160.198
Y _{xy}	85.6591, 0.3024, 0.3481
Android (android.graphics.Color)	4292212452 (0xFFD5F6E4)
Y _{UV}	234.0810, -2.9979, -18.4880
Hunter-Lab	92.5522, -18.4756, 9.6867

Details

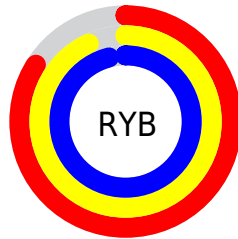
The XYZ color **74.3999, 85.6591, 86.0114** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2271, 72.9529, 85.6688**, and the grayscale version is **78.2995, 82.3772, 89.7088**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0568, 47.1131, 46.5177** is the 20% darker color. If you saturate the color by 10%, you get **66.0075, 81.5420, 76.2692**, and if you desaturate by 10%, it is **84.0241, 90.3992, 96.5698**.

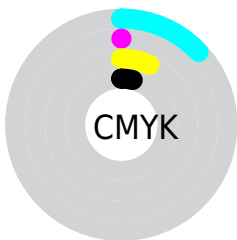
Distribution



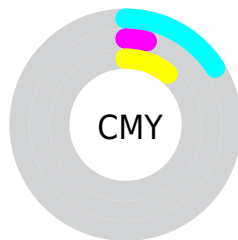
- Red (84%)
- Green (96%)
- Blue (89%)



- Red (84%)
- Yellow (93%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3999, 85.6591, 86.0114 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 74.3999, 85.6591, 86.0114 by changing the saturation by 10% instead.

 74.3999, 85.6591,
86.0114

 74.3999, 85.6591,
86.0114


464.8814,
513.8065, 535.2004

 55.4138, 64.3861,
64.1225


124.4550,
141.2937, 143.6721

 39.9683, 46.9635,
46.3030


156.2547,
176.4241, 180.2809

 27.6979, 33.0068,
32.1346


193.0564,
216.9424, 222.6334

 18.2374, 22.1316,
21.1987

235.2254,
263.2330, 271.1482

 11.2213, 13.9537,
13.0767

283.1270,
315.6803, 326.2437

 6.2842, 8.0884,
7.3500

337.1267,

 3.0610, 4.1516,

374.6687, 388.3386

3.6002

397.5897,
440.5826, 457.8513

■ 1.1861, 1.7587,
1.4087

■ 0.0953, 0.4612,
0.1485

■ 74.3999, 85.6591,
86.0114

■ 74.3999, 85.6591,
86.0114

■ 66.0075, 81.5420,
76.2692

■ 84.0241, 90.3992,
96.5698

■ 58.7879, 78.0108,
67.3179

■ 92.2218, 94.3846,
107.8310

■ 52.6877, 75.0408,
59.1393

■ 92.2474, 94.3948,
107.9658

■ 47.6467, 72.6012,
51.7122

■ 43.5983, 70.6582,
45.0144

■ 40.4684, 69.1741,
39.0226

■ 38.1714, 68.1051,
33.7118

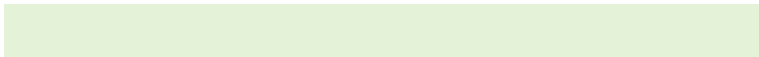
■ 36.6040, 67.3985,
29.0554

■ 35.8715, 67.0804,
26.3310

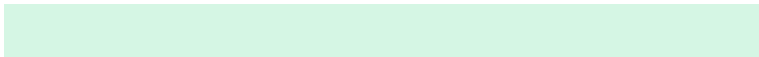
Harmonies

Analogous

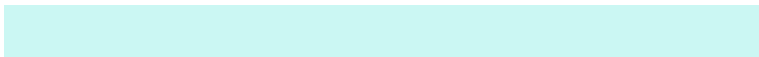
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5578, 85.6591, 77.4517



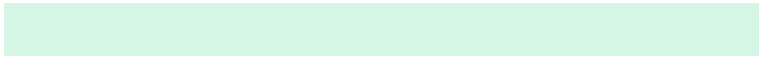
74.3999, 85.6591, 86.0114



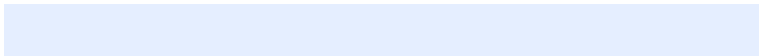
74.0869, 85.6591, 97.2184

Triad

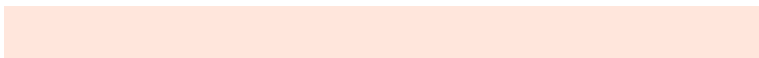
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3999, 85.6591, 86.0114



82.7843, 85.6591, 116.6420



87.4266, 85.6591, 79.7757

Complementary

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



74.3999, 85.6591, 86.0114



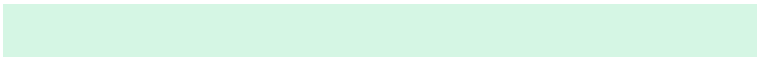
76.2271, 72.9529, 85.6688

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.



89.2141, 85.6591, 89.4265



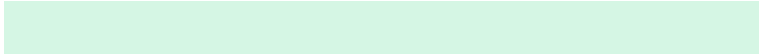
74.3999, 85.6591, 86.0114



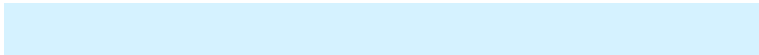
86.4764, 85.6591, 111.1035

Square

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



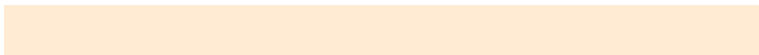
74.3999, 85.6591, 86.0114



78.8415, 85.6591, 115.5389



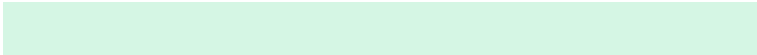
88.8607, 85.6591, 100.9221



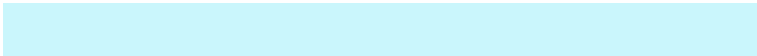
84.0468, 85.6591, 74.0607

Rectangle

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



74.3999, 85.6591, 86.0114



74.9553, 85.6591, 104.7788



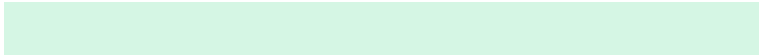
88.8607, 85.6591, 100.9221



88.2385, 85.6591, 82.6331

Sweetspot

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



74.4023, 85.6627, 86.0133



90.5134, 97.7633, 104.0791



77.9725, 87.7335, 75.7765



19.1963, 20.8380, 22.0866



0.0000, 0.0000, 0.0000



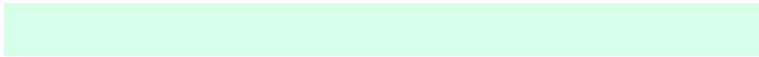
20.3446, 21.4041, 23.3091

Same Dimension

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



74.4023, 85.6627, 86.0133



78.2213, 91.7148, 90.4790



76.7816, 86.6144, 98.5424



16.5954, 18.5973, 19.1536



19.2146, 35.8307, 14.4157



1.7399, 3.1696, 1.5363

Inverse Universe

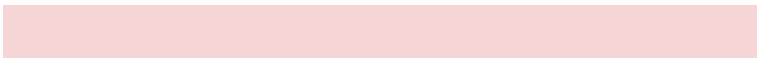
The Inverse Universe completely reimagines the original color for something new.



76.2271, 72.9529, 85.6688



80.5439, 75.5371, 90.0399



74.0236, 72.0715, 74.0654



16.8773, 16.6338, 19.1005



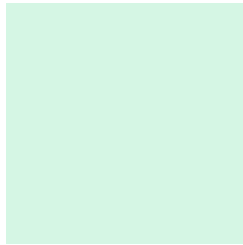
22.6619, 11.4082, 13.4598



2.0436, 1.0234, 1.4559

Previews

White Background



This preview shows how the XYZ color 74.3999, 85.6591, 86.0114 looks on a white background.

Color Contrast Check

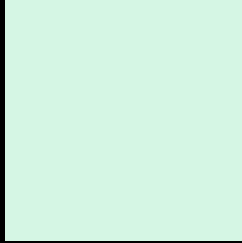
Large Text (above 18pt) WCAG AA × Fail

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 74.3999, 85.6591, 86.0114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

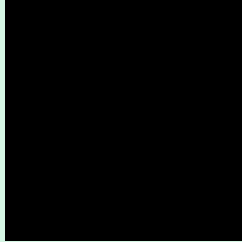
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

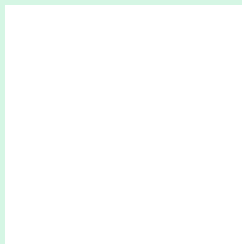
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.3999, 85.6591, 86.0114

Background



This preview shows how black text looks on a background with the XYZ color 74.3999, 85.6591, 86.0114.



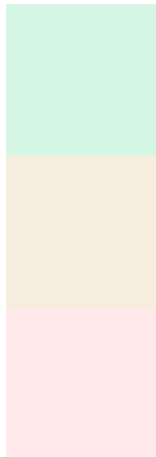
This preview shows how white text looks on a background with the XYZ color 74.3999, 85.6591,

86.0114.

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

74.3999, 85.6591, 86.0114

Protanopia

81.6095, 85.4889, 82.0118

Deuteranopia

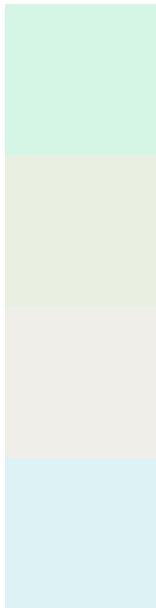
85.2302, 85.4783, 89.8488



Tritanopia

79.9506, 85.3875, 106.8753

Trichromacy



Original Color

74.3999, 85.6591, 86.0114

Protanomaly

78.6824, 85.2488, 83.5418

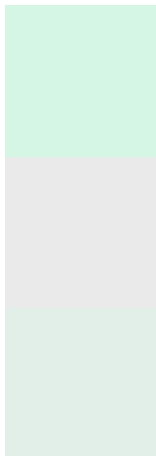
Deuteranomaly

81.0752, 85.5005, 88.5741

Tritanomaly

77.7488, 85.3125, 98.7554

Monochromacy



Original Color

74.3999, 85.6591, 86.0114

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

76.5041, 83.1440, 88.3601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.3999, 85.6591, 86.0114 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(213, 246, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 246, 228)  
}
```

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(213, 246, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 246, 228) }
```

Border

The CSS property to change the border of an element to XYZ 74.3999, 85.6591, 86.0114 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(213, 246, 228) }
```


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

```
.border{ border-color:rgb(213, 246, 228) }
```

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

Here you see how a box with a 4 pixel rgb(213, 246, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 246, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 246, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 246,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 74.3999, 85.6591, 86.0114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 246, 228) }
```

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

```
.background{ background-color: rgb(213,  
246, 228) }
```

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