

Converting Colors

XYZ(78.8614, 100.0000,
87.4996)

Have a look what the booklet for
XYZ(78.8614, 100.0000, 87.4996)
contains.

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Color

**XYZ(73.7125, 89.4836,
86.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFE3
RGB	201, 255, 227
RGB Percent	79%, 100%, 89%
CMY	0.2118, 0.0000, 0.1098
CMYK	0.21, 0.00, 0.11, 0.00
HSL	149°, 100%, 89%
HSV	149°, 21%, 100%
XYZ	73.7125, 89.4836, 86.0600
YIQ	235.6620, -23.1960, -20.1560

Conversions

Conversions Part 2

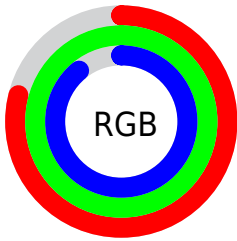
Format	Color
R_{YB}	201, 237, 255
Decimal	13238243
CIE _{Lab}	95.78, -22.44, 7.81
CIE _{LCh}	96, 23.761, 160.809
Yxy	89.4836, 0.2957, 0.3590
Android (android.graphics.Color)	4291428323 (0xFFC9FFE3)
YUV	235.6620, -4.2704, -30.3986
Hunter-Lab	94.5958, -26.4488, 12.2770

Details

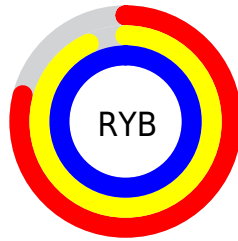
The XYZ color **73.7125, 89.4836, 86.0600** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2699, 68.6913, 83.3676**, and the grayscale version is **79.5143, 83.6552, 91.1005**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4945, 49.4777, 46.4983** is the 20% darker color. If you saturate the color by 10%, you get **65.6616, 85.5359, 76.5205**, and if you desaturate by 10%, it is **83.0431, 94.0746, 96.3938**.

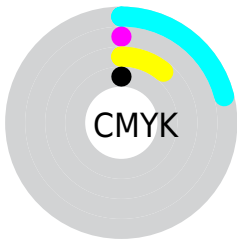
Distribution



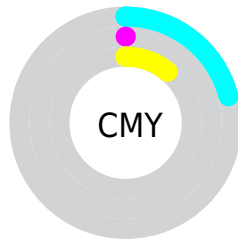
- Red (79%)
- Green (100%)
- Blue (89%)



- Red (79%)
- Yellow (93%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7125, 89.4836, 86.0600 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 73.7125, 89.4836, 86.0600 by changing the saturation by 10% instead.


 73.7125, 89.4836,
86.0600

 73.7125, 89.4836,
86.0600


462.5462,
526.3496, 535.3648

 54.8492, 67.5524,
64.1624

123.4859,
146.6209, 143.7405

 39.5144, 49.5337,
46.3352


155.1266,
182.5958, 180.3605

 27.3426, 35.0430,
32.1598


191.7573,
224.0207, 222.7250

 17.9686, 23.6960,
21.2178

233.7432,
271.2801, 271.2526

 11.0270, 15.1083,
13.0905

281.4497,
324.7582, 326.3619

 6.1524, 8.8954,
7.3594

335.2421,

 2.9795, 4.6730,

384.8396, 388.4713

3.6061

395.4858,
451.9086, 457.9994

■ 1.1429, 2.0567,
1.4118

■ 0.0606, 0.6401,
0.1509

■ 73.7125, 89.4836,
86.0600

■ 73.7125, 89.4836,
86.0600

■ 65.6616, 85.5359,
76.5205

■ 83.0431, 94.0746,
96.3938

■ 58.8287, 82.2005,
67.7520

■ 93.7062, 99.3361,
107.5359

■ 53.1506, 79.4449,
59.7359

■ 95.0500, 100.0000,
108.9000

■ 48.5570, 77.2332,
52.4514

■ 44.9694, 75.5256,
45.8765

■ 42.2983, 74.2761,
39.9881

■ 40.4365, 73.4301,
34.7612

■ 39.3215, 72.9446,
30.6748

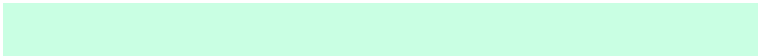
Harmonies

Analogous

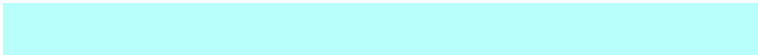
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0901, 89.4836, 72.6224



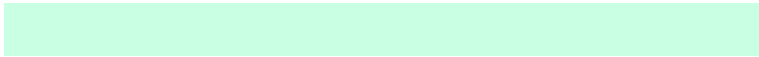
73.7125, 89.4836, 86.0600



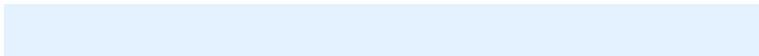
73.2806, 89.4836, 104.3482

Triad

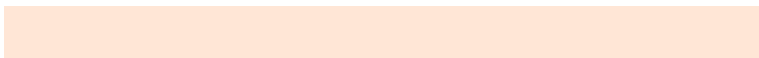
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7125, 89.4836, 86.0600



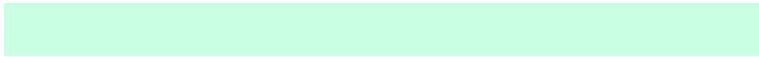
87.4332, 89.4836, 137.2900



94.9355, 89.4836, 75.7274

Complementary

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



73.7125, 89.4836, 86.0600



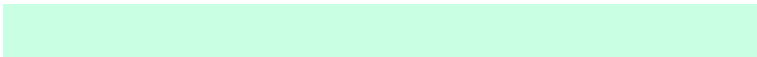
76.2699, 68.6913, 83.3676

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.



98.0198, 89.4836, 90.8292



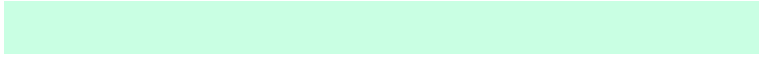
73.7125, 89.4836, 86.0600



93.5430, 89.4836, 127.3332

Square

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



73.7125, 89.4836, 86.0600



80.9819, 89.4836, 135.5837



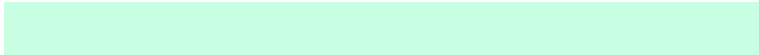
97.4974, 89.4836, 109.7650



89.2552, 89.4836, 67.2070

Rectangle

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



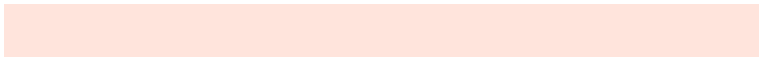
73.7125, 89.4836, 86.0600



74.6954, 89.4836, 117.0800



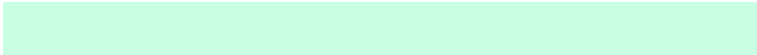
97.4974, 89.4836, 109.7650



96.3231, 89.4836, 80.1159

Sweetspot

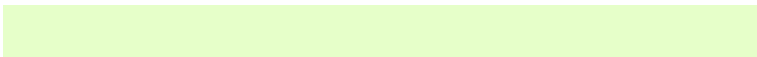
The Sweet Spot groups the original color and five complimentary colors.



73.7133, 89.4839, 86.0614



88.3922, 96.7123, 102.0584



78.8721, 92.5272, 68.9620



18.7708, 20.6270, 21.6891



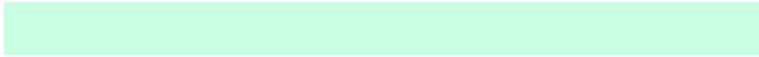
0.0000, 0.0000, 0.0000



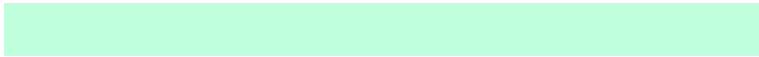
20.3446, 21.4041, 23.3091

Same Dimension

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



73.7133, 89.4839, 86.0614



70.4863, 87.8998, 82.3203



77.6094, 91.0424, 106.5782



18.1359, 20.3139, 21.0186



20.6209, 38.1450, 16.4210



2.0627, 3.7360, 1.8878

Inverse Universe

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



76.2699, 68.6913, 83.3676



73.4213, 64.0291, 79.2268



72.8829, 67.3365, 65.5320



18.4027, 18.1444, 20.7377



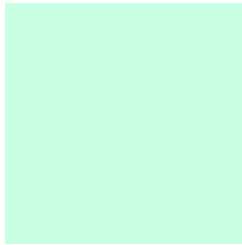
23.8087, 12.0128, 12.9092



2.3734, 1.1917, 1.5478

Previews

White Background



This preview shows how the XYZ color 73.7125, 89.4836, 86.0600 looks on a white background.

Color Contrast Check

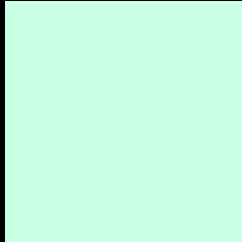
Large Text (above 18pt) WCAG AA × Fail

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 73.7125, 89.4836, 86.0600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

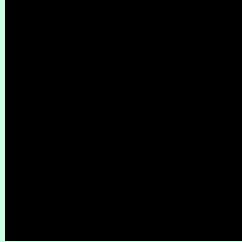
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

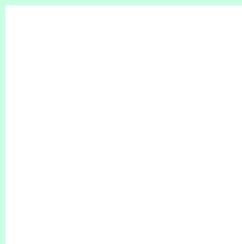
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7125, 89.4836, 86.0600

Background



This preview shows how black text looks on a background with the XYZ color 73.7125, 89.4836, 86.0600.



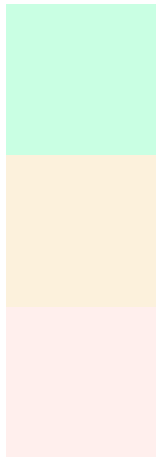
This preview shows how white text looks on a background with the XYZ color 73.7125, 89.4836,

86.0600.

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

73.7125, 89.4836, 86.0600

Protanopia

84.5184, 88.7733, 80.3905

Deuteranopia

87.3926, 89.1074, 92.7141



Tritanopia

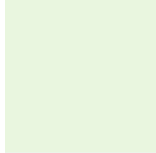
82.3810, 88.8557, 107.4167

Trichromacy



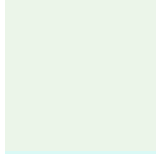
Original Color

73.7125, 89.4836, 86.0600



Protanomaly

79.8793, 88.5629, 82.6963



Deuteranomaly

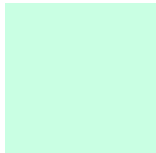
81.6213, 88.8502, 89.9387



Tritanomaly

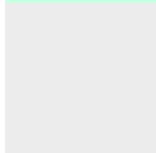
79.2706, 89.2494, 99.4350

Monochromacy



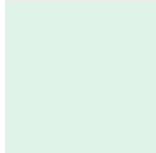
Original Color

73.7125, 89.4836, 86.0600



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.1900, 85.6724, 89.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7125, 89.4836, 86.0600 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(201, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 227)  
}
```

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(201, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 73.7125, 89.4836, 86.0600 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(201, 255, 227) }
```


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

```
.border{ border-color:rgb(201, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7125, 89.4836, 86.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 227) }
```

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

```
.background{ background-color: rgb(201,  
255, 227) }
```

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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