

Converting Colors

XYZ(74.4599, 89.8766, 85.7450)

Have a look what the booklet for
XYZ(74.4599, 89.8766, 85.7450)
contains.

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Color

**XYZ(74.5270, 89.9034,
86.0982)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE3
RGB	204, 255, 227
RGB Percent	80%, 100%, 89%
CMY	0.2000, 0.0000, 0.1098
CMYK	0.20, 0.00, 0.11, 0.00
HSL	147°, 100%, 90%
HSV	147°, 20%, 100%
XYZ	74.5270, 89.9034, 86.0982
YIQ	236.5590, -21.4080, -19.5200

Conversions

Conversions Part 2

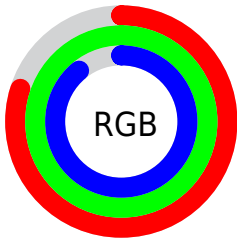
Format	Color
R _Y B	204, 239, 255
Decimal	13434851
CIE Lab	95.96, -21.51, 8.08
CIE LCh	96, 22.977, 159.399
Yxy	89.9034, 0.2975, 0.3589
Android (android.graphics.Color)	4291624931 (0xFFCCFFE3)
YUV	236.5590, -4.7126, -28.5542
Hunter-Lab	94.8174, -25.6285, 12.5344

Details

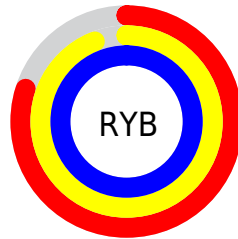
The XYZ color **74.5270, 89.9034, 86.0982** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.3989, 70.2729, 85.8287**, and the grayscale version is **80.2038, 84.3807, 91.8905**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0349, 49.7563, 46.5236** is the 20% darker color. If you saturate the color by 10%, you get **66.2461, 85.8487, 76.0313**, and if you desaturate by 10%, it is **84.1110, 94.6117, 97.0491**.

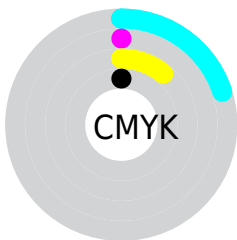
Distribution



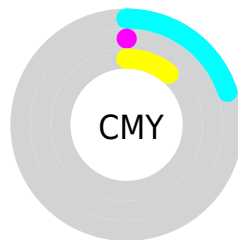
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5270, 89.9034, 86.0982 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 74.5270, 89.9034, 86.0982 by changing the saturation by 10% instead.


 74.5270, 89.9034,
86.0982

 74.5270, 89.9034,
86.0982


465.3125,
527.7166, 535.4940

 55.5183, 67.9005,
64.1938

124.6341,
147.2042, 143.7943

 40.0523, 49.8168,
46.3605


156.4632,
183.2709, 180.4230

 27.7637, 35.2679,
32.1797


193.2964,
224.7944, 222.7970

 18.2872, 23.8693,
21.2328

235.4992,
272.1590, 271.3348

 11.2573, 15.2367,
13.1014

283.4368,
325.7491, 326.4548

 6.3087, 8.9857,
7.3669

337.4747,

 3.0761, 4.7318,

385.9491, 388.5756

3.6107

397.9781,
453.1435, 458.1159

■ 1.1942, 2.0908,
1.4143

■ 0.1017, 0.6594,
0.1528

■ 74.5270, 89.9034,
86.0982

■ 74.5270, 89.9034,
86.0982

■ 66.2461, 85.8487,
76.0313

■ 84.1110, 94.6117,
97.0491

■ 59.2064, 82.4162,
66.8220

95.0500, 100.0000,
108.9000

■ 53.3447, 79.5736,
58.4485

■ 48.5908, 77.2853,
50.8865

■ 44.8667, 75.5116,
44.1106

■ 42.0836, 74.2072,
38.0938

■ 40.1362, 73.3182,
32.8071

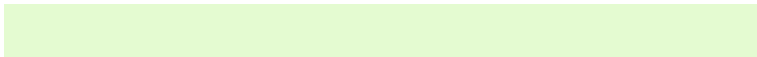
■ 38.8549, 72.7579,
28.2171

■ 38.8548, 72.7579,
28.2168

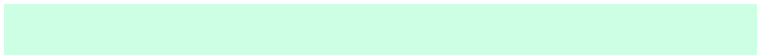
Harmonies

Analogous

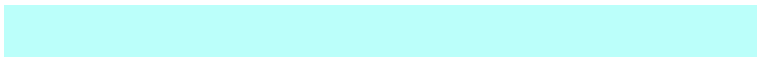
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9351, 89.9034, 73.2861



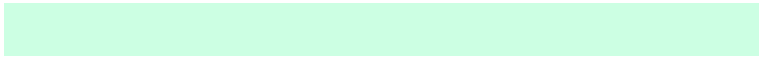
74.5270, 89.9034, 86.0982



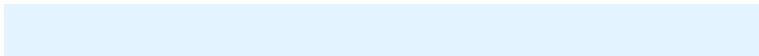
73.9656, 89.9034, 103.7101

Triad

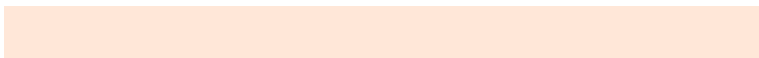
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5270, 89.9034, 86.0982



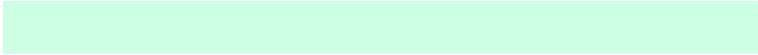
87.4594, 89.9034, 136.5845



95.2335, 89.9034, 77.3363

Complementary

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



74.5270, 89.9034, 86.0982



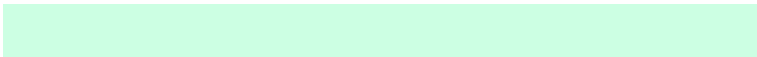
77.3989, 70.2729, 85.8287

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.



98.0667, 89.9034, 92.2909



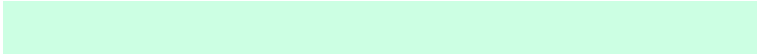
74.5270, 89.9034, 86.0982



93.4341, 89.9034, 127.4620

Square

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



74.5270, 89.9034, 86.0982



81.2275, 89.9034, 134.3914



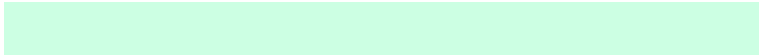
97.3924, 89.9034, 110.7111



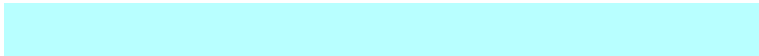
89.8174, 89.9034, 68.6792

Rectangle

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



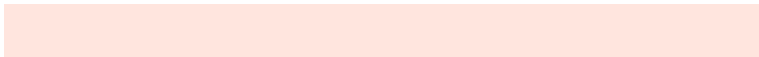
74.5270, 89.9034, 86.0982



75.2518, 89.9034, 116.0714



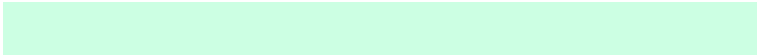
97.3924, 89.9034, 110.7111



96.5314, 89.9034, 81.7130

Sweetspot

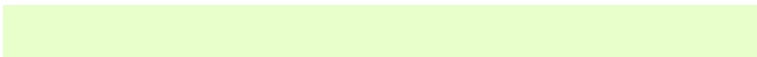
The Sweet Spot groups the original color and five complimentary colors.



74.5278, 89.9038, 86.0996



88.3203, 96.6835, 101.6794



79.9546, 93.0441, 70.8733



18.7538, 20.6202, 21.5996



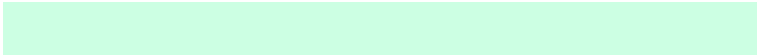
0.0000, 0.0000, 0.0000



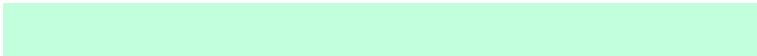
20.3446, 21.4041, 23.3091

Same Dimension

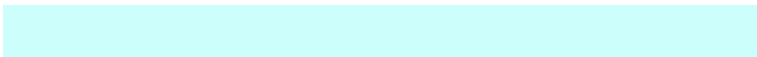
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5278, 89.9038, 86.0996



71.0615, 88.2048, 81.9670



78.3045, 91.4145, 105.9876



18.1121, 20.3044, 20.8934



20.3753, 38.0467, 15.1276



2.0380, 3.7261, 1.7581

Inverse Universe

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



77.3989, 70.2729, 85.8287



74.4076, 65.3227, 81.6489



74.0411, 68.9298, 68.1471



18.4267, 18.1540, 20.8641



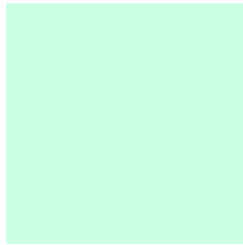
24.0984, 12.1287, 14.4347



2.4015, 1.2030, 1.6956

Previews

White Background



This preview shows how the XYZ color 74.5270, 89.9034, 86.0982 looks on a white background.

Color Contrast Check

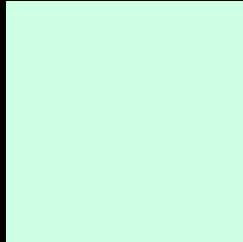
Large Text (above 18pt) WCAG AA × Fail

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 74.5270, 89.9034, 86.0982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

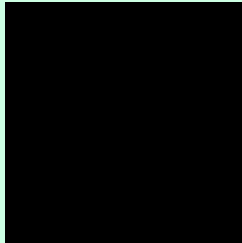
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

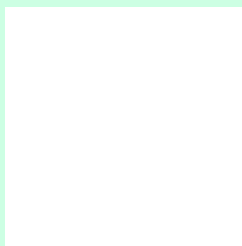
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.5270, 89.9034, 86.0982

Background



This preview shows how black text looks on a background with the XYZ color 74.5270, 89.9034, 86.0982.



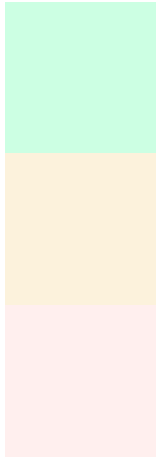
This preview shows how white text looks on a background with the XYZ color 74.5270, 89.9034,

86.0982.

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

74.5270, 89.9034, 86.0982

Protanopia

84.8153, 89.3670, 80.4895

Deuteranopia

87.5391, 89.1661, 93.4859



Tritanopia

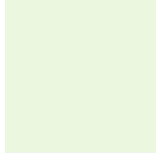
83.3189, 89.7895, 107.5475

Trichromacy



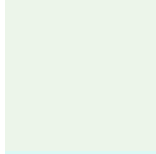
Original Color

74.5270, 89.9034, 86.0982



Protanomaly

80.8410, 89.5114, 82.8287



Deuteranomaly

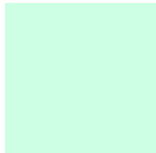
82.0958, 89.0782, 90.7088



Tritanomaly

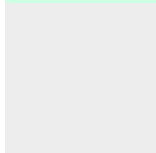
79.8723, 89.5596, 99.4632

Monochromacy



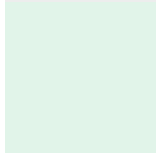
Original Color

74.5270, 89.9034, 86.0982



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.1100, 86.5921, 89.6879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5270, 89.9034, 86.0982 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(204, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 74.5270, 89.9034, 86.0982 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(204, 255, 227) }
```


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

```
.border{ border-color:rgb(204, 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(204, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5270, 89.9034, 86.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 227) }
```

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

```
.background{ background-color: rgb(204,  
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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