

Converting Colors

XYZ(74.7236, 89.9821, 87.1335)

Have a look what the booklet for
XYZ(74.7236, 89.9821, 87.1335)
contains.

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Color

**XYZ(74.6654, 89.9588,
86.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE4
RGB	204, 255, 228
RGB Percent	80%, 100%, 89%
CMY	0.2000, 0.0000, 0.1059
CMYK	0.20, 0.00, 0.11, 0.00
HSL	148°, 100%, 90%
HSV	148°, 20%, 100%
XYZ	74.6654, 89.9588, 86.8273
YIQ	236.6730, -21.7290, -19.2090

Conversions

Conversions Part 2

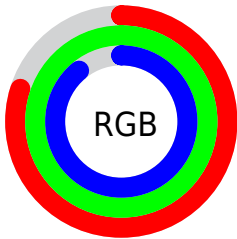
Format	Color
RYB	204, 239, 255
Decimal	13434852
CIELab	95.98, -21.32, 7.60
CIELCh	96, 22.636, 160.373
Yxy	89.9588, 0.2969, 0.3578
Android (android.graphics.Color)	4291624932 (0xFFCCFFE4)
YUV	236.6730, -4.2758, -28.6542
Hunter-Lab	94.8466, -25.4623, 12.1156

Details

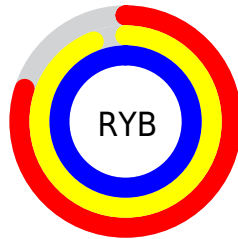
The XYZ color **74.6654, 89.9588, 86.8273** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.2571, 70.2161, 85.0824**, and the grayscale version is **80.2882, 84.4695, 91.9873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1313, 49.7949, 47.0314** is the 20% darker color. If you saturate the color by 10%, you get **66.4373, 85.9252, 77.0389**, and if you desaturate by 10%, it is **84.1857, 94.6416, 97.4429**.

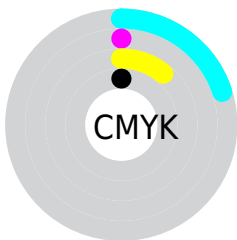
Distribution



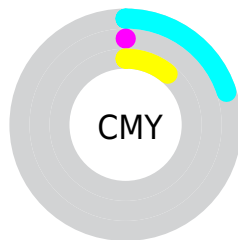
- Red (80%)
- Green (100%)
- Blue (89%)



- 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 74.6654, 89.9588, 86.8273 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 74.6654, 89.9588, 86.8273 by changing the saturation by 10% instead.


 74.6654, 89.9588,
86.8273

 74.6654, 89.9588,
86.8273


465.7816,
527.8968, 537.9567

 55.6320, 67.9465,
64.7935

124.8291,
147.2812, 144.8201

 40.1438, 49.8542,
46.8434


156.6900,
183.3600, 181.6163

 27.8354, 35.2976,
32.5584

193.5576,
224.8964, 224.1702

 18.3414, 23.8922,
21.5200

235.7971,
272.2749, 272.9006

 11.2966, 15.2537,
13.3097

283.7739,
325.8798, 328.2259

 6.3354, 8.9976,
7.5089

337.8534,

 3.0927, 4.7396,

386.0955, 390.5646

3.6991

398.4008,
453.3063, 460.3354

■ 1.2030, 2.0953,
1.4618

■ 0.1087, 0.6620,
0.1892

■ 74.6654, 89.9588,
86.8273

■ 74.6654, 89.9588,
86.8273

■ 66.4373, 85.9252,
77.0389

■ 84.1857, 94.6416,
97.4429

■ 59.4402, 82.5097,
68.0533

95.0500, 100.0000,
108.9000

■ 53.6110, 79.6801,
59.8510

■ 48.8801, 77.4010,
52.4101

■ 45.1699, 75.6329,
45.7075

■ 42.3922, 74.3306,
39.7187

■ 40.4420, 73.4406,
34.4178

■ 39.1505, 72.8762,
29.7743

■ 39.1505, 72.8762,
29.7740

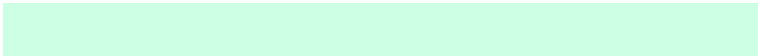
Harmonies

Analogous

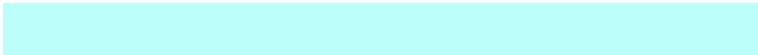
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9450, 89.9588, 73.9772



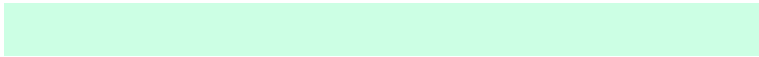
74.6654, 89.9588, 86.8273



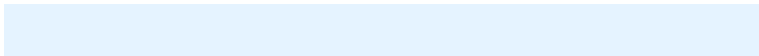
74.2074, 89.9588, 104.2852

Triad

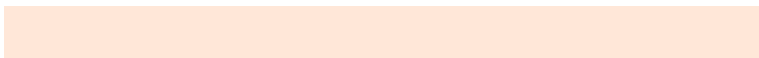
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6654, 89.9588, 86.8273



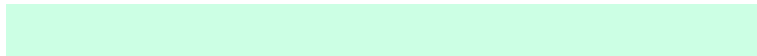
87.6876, 89.9588, 135.8979



94.9993, 89.9588, 77.2848

Complementary

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



74.6654, 89.9588, 86.8273



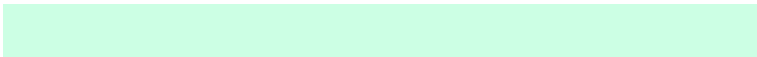
77.2571, 70.2161, 85.0824

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.



97.8906, 89.9588, 91.8764



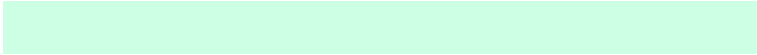
74.6654, 89.9588, 86.8273



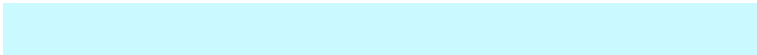
93.5348, 89.9588, 126.6114

Square

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



74.6654, 89.9588, 86.8273



81.5257, 89.9588, 134.1163



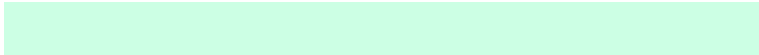
97.3419, 89.9588, 109.9839



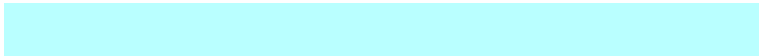
89.6078, 89.9588, 68.9507

Rectangle

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



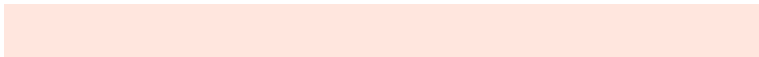
74.6654, 89.9588, 86.8273



75.5387, 89.9588, 116.4232



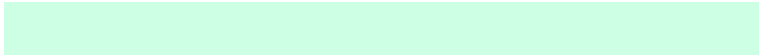
97.3419, 89.9588, 109.9839



96.3075, 89.9588, 81.5419

Sweetspot

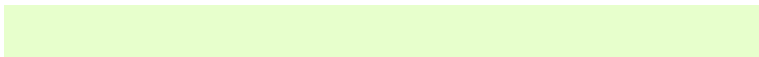
The Sweet Spot groups the original color and five complimentary colors.



74.6662, 89.9592, 86.8287



88.3665, 96.7020, 101.9230



79.6792, 92.9021, 70.8602



18.7647, 20.6246, 21.6571



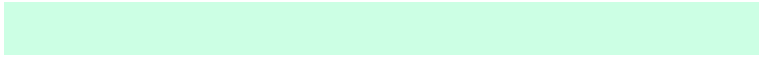
0.0000, 0.0000, 0.0000



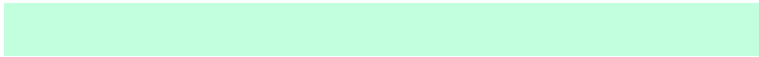
20.3446, 21.4041, 23.3091

Same Dimension

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



74.6662, 89.9592, 86.8287



71.2224, 88.2691, 82.8143



78.4398, 91.4686, 106.7003



18.1274, 20.3105, 20.9739



20.5310, 38.1090, 15.9474



2.0537, 3.7324, 1.8406

Inverse Universe

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



77.2571, 70.2161, 85.0824



74.2421, 65.2565, 80.7774



73.9377, 68.8883, 67.6026



18.4112, 18.1478, 20.7828



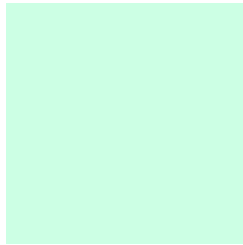
23.9098, 12.0532, 13.4416



2.3833, 1.1957, 1.5996

Previews

White Background



This preview shows how the XYZ color 74.6654, 89.9588, 86.8273 looks on a white background.

Color Contrast Check

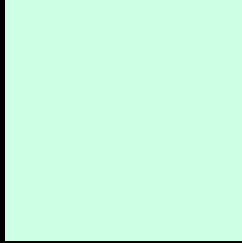
Large Text (above 18pt) WCAG AA × Fail

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 74.6654, 89.9588, 86.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

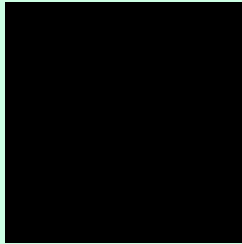
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

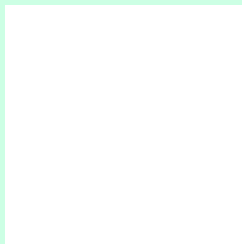
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.6654, 89.9588, 86.8273

Background



This preview shows how black text looks on a background with the XYZ color 74.6654, 89.9588, 86.8273.



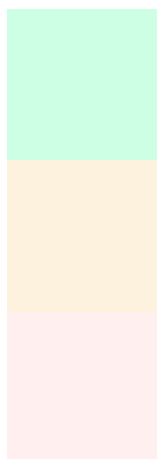
This preview shows how white text looks on a background with the XYZ color 74.6654, 89.9588,

86.8273.

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

74.6654, 89.9588, 86.8273

Protanopia

84.9482, 89.4202, 81.1892

Deuteranopia

87.5391, 89.1661, 93.4859



Tritanopia

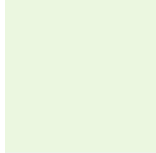
83.3189, 89.7895, 107.5475

Trichromacy



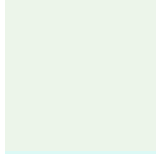
Original Color

74.6654, 89.9588, 86.8273



Protanomaly

80.9763, 89.5655, 83.5410



Deuteranomaly

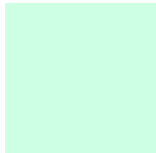
82.0958, 89.0782, 90.7088



Tritanomaly

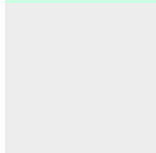
79.8723, 89.5596, 99.4632

Monochromacy



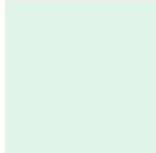
Original Color

74.6654, 89.9588, 86.8273



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2533, 86.6494, 90.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6654, 89.9588, 86.8273 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 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(204, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 74.6654, 89.9588, 86.8273 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, 228) }
```


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

```
.border{ border-color:rgb(204, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6654, 89.9588, 86.8273 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, 228) }
```

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

```
.background{ background-color: rgb(204,  
255, 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](#).

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