

Converting Colors

XYZ(77.2670, 100.0000,
77.0468)

Have a look what the booklet for
XYZ(77.2670, 100.0000, 77.0468)
contains.

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Color

**XYZ(71.6053, 88.6407,
74.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFD3
RGB	201, 255, 211
RGB Percent	79%, 100%, 83%
CMY	0.2118, 0.0000, 0.1725
CMYK	0.21, 0.00, 0.17, 0.00
HSL	131°, 100%, 89%
HSV	131°, 21%, 100%
XYZ	71.6053, 88.6407, 74.9634
YIQ	233.8380, -18.0600, -25.1320

Conversions

Conversions Part 2

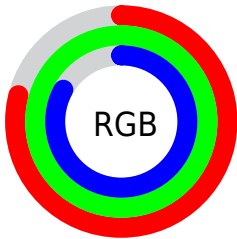
Format	Color
R_{YB}	201, 247, 255
Decimal	13238227
CIE _{Lab}	95.43, -25.34, 15.52
CIE _{LCh}	95, 29.718, 148.517
Yxy	88.6407, 0.3044, 0.3769
Android (android.graphics.Color)	4291428307 (0xFFC9FFD3)
YUV	233.8380, -11.2591, -28.7989
Hunter-Lab	94.1492, -29.0027, 18.6966

Details

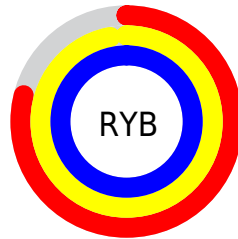
The XYZ color **71.6053, 88.6407, 74.9634** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.6084, 69.6266, 95.6820**, and the grayscale version is **78.1761, 82.2473, 89.5673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0489, 48.8995, 38.8856** is the 20% darker color. If you saturate the color by 10%, you get **62.8709, 84.4197, 61.8250**, and if you desaturate by 10%, it is **81.8158, 93.5836, 89.9311**.

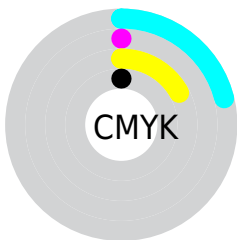
Distribution



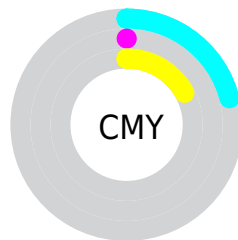
- Red (79%)
- Green (100%)
- Blue (83%)



- Red (79%)
- Yellow (97%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.6053, 88.6407, 74.9634 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 71.6053, 88.6407, 74.9634 by changing the saturation by 10% instead.


 71.6053, 88.6407,
74.9634

 71.6053, 88.6407,
74.9634

455.3456,
523.5991, 497.0438

 53.1206, 66.8538,
55.0814


120.5090,
145.4488, 128.0072

 38.1269, 48.9658,
39.0678


151.6588,
181.2388, 162.0060

 26.2589, 34.5924,
26.5043

187.7610,
222.4653, 201.5475

 17.1511, 23.3490,
16.9721

229.1810,
269.5127, 247.0502

 10.4383, 14.8515,
10.0529

276.2841,
322.7654, 298.9326

 5.7550, 8.7152,
5.3280

329.4356,

 2.7359, 4.5559,

382.6078, 357.6133

2.3789

389.0010,
449.4242, 423.5109

■ 1.0157, 1.9891,
0.7749

■ 0.0000, 0.6011,
0.0000

■ 71.6053, 88.6407,
74.9634

■ 71.6053, 88.6407,
74.9634

■ 62.8709, 84.4197,
61.8250

■ 81.8158, 93.5836,
89.9311

■ 55.5415, 80.8856,
50.4418

■ 93.5646, 99.2794,
106.7903

■ 49.5434, 78.0020,
40.7405

■ 95.0500, 100.0000,
108.9000

■ 44.7950, 75.7284,
32.6411

■ 41.2057, 74.0201,
26.0572

■ 38.6724, 72.8258,
20.8941

■ 37.0725, 72.0845,
17.0463

■ 36.2777, 71.7271,
14.6460

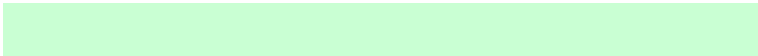
Harmonies

Analogous

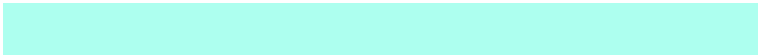
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0026, 88.6407, 62.2677



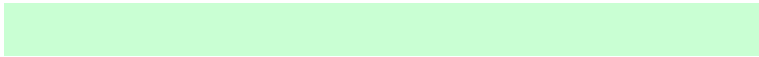
71.6053, 88.6407, 74.9634



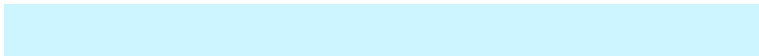
69.5642, 88.6407, 95.3602

Triad

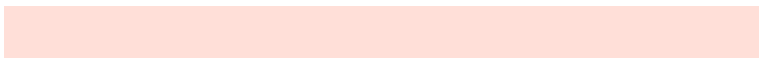
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6053, 88.6407, 74.9634



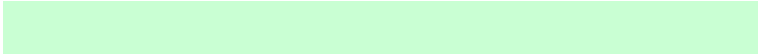
83.8463, 88.6407, 148.5667



98.7520, 88.6407, 76.6725

Complementary

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



71.6053, 88.6407, 74.9634



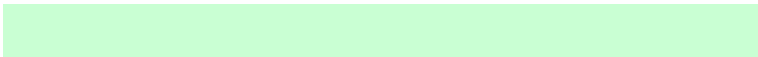
78.6084, 69.6266, 95.6820

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.



100.8703, 88.6407, 97.6784



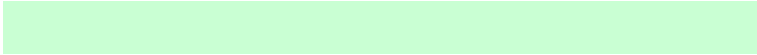
71.6053, 88.6407, 74.9634



91.9391, 88.6407, 141.4590

Square

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



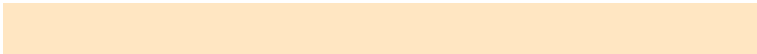
71.6053, 88.6407, 74.9634



76.3443, 88.6407, 139.9687



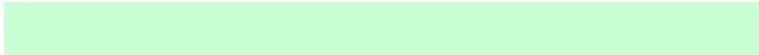
98.3027, 88.6407, 121.8448



92.6841, 88.6407, 63.1371

Rectangle

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



71.6053, 88.6407, 74.9634



70.2745, 88.6407, 111.4486



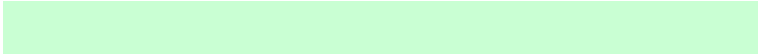
98.3027, 88.6407, 121.8448



99.9661, 88.6407, 82.9781

Sweetspot

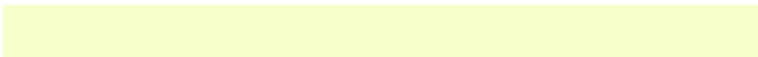
The Sweet Spot groups the original color and five complimentary colors.



71.6060, 88.6410, 74.9648



87.7007, 96.4357, 98.4168



83.9940, 95.1676, 69.2016



18.6077, 20.5618, 20.8300



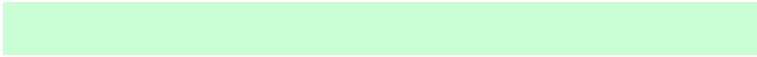
0.0000, 0.0000, 0.0000



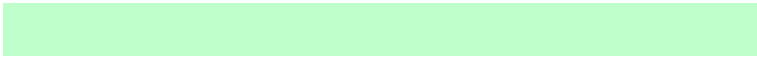
20.3446, 21.4041, 23.3091

Same Dimension

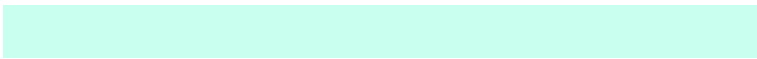
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6060, 88.6410, 74.9648



68.0950, 86.9433, 69.7280



75.2658, 90.1049, 94.2374



17.9089, 20.2231, 19.8235



18.9950, 37.4946, 7.8590



1.8845, 3.6647, 0.9497

Inverse Universe

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



78.6084, 69.6266, 95.6820



76.1323, 65.1135, 93.5029



74.7952, 68.1013, 75.6018



18.6399, 18.2393, 21.9866



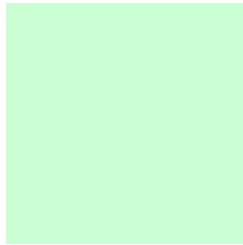
27.5352, 13.5034, 32.5325



2.7167, 1.3291, 3.3555

Previews

White Background



This preview shows how the XYZ color 71.6053, 88.6407, 74.9634 looks on a white background.

Color Contrast Check

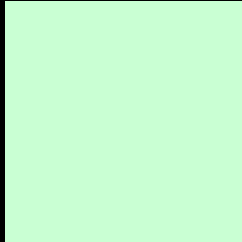
Large Text (above 18pt) WCAG AA × Fail

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 71.6053, 88.6407, 74.9634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

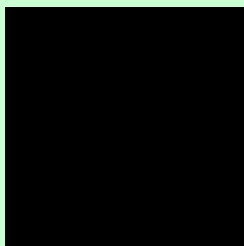
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

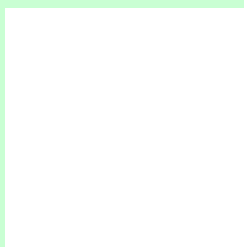
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6053, 88.6407, 74.9634

Background



This preview shows how black text looks on a background with the XYZ color 71.6053, 88.6407, 74.9634.



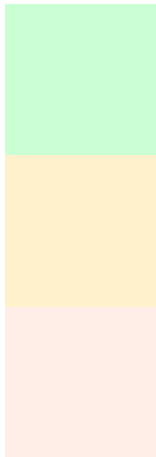
This preview shows how white text looks on a background with the XYZ color 71.6053, 88.6407,

74.9634.

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

71.6053, 88.6407, 74.9634

Protanopia

83.2274, 88.3411, 69.7917

Deuteranopia

86.2383, 88.1786, 88.0762



Tritanopia

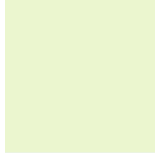
81.7647, 88.0901, 107.3014

Trichromacy



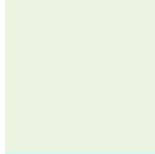
Original Color

71.6053, 88.6407, 74.9634



Protanomaly

78.4792, 88.0787, 71.8961



Deuteranomaly

80.0662, 87.7454, 83.2376



Tritanomaly

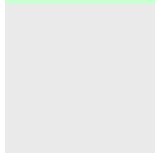
77.7627, 88.1185, 94.5714

Monochromacy



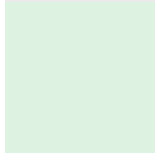
Original Color

71.6053, 88.6407, 74.9634



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6038, 84.5248, 84.2817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6053, 88.6407, 74.9634 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 71.6053, 88.6407, 74.9634 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, 211) }
```


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

```
.border{ border-color:rgb(201, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6053, 88.6407, 74.9634 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, 211) }
```

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

```
.background{ background-color: rgb(201,  
255, 211) }
```

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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