

Converting Colors

XYZ(86.0556, 117.6232,
78.4647)

Have a look what the booklet for
XYZ(86.0556, 117.6232, 78.4647)
contains.

XYZ(71.6257, 88.6800, 73.6635)	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(71.6257, 88.6800,
73.6635)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFD1
RGB	202, 255, 209
RGB Percent	79%, 100%, 82%
CMY	0.2078, 0.0000, 0.1804
CMYK	0.21, 0.00, 0.18, 0.00
HSL	128°, 100%, 90%
HSV	128°, 21%, 100%
XYZ	71.6257, 88.6800, 73.6635
YIQ	233.9090, -16.8220, -25.5420

Conversions

Conversions Part 2

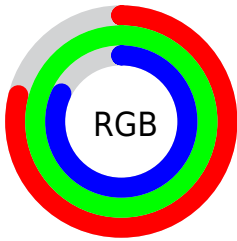
Format	Color
R_{YB}	202, 249, 255
Decimal	13303761
CIE _{Lab}	95.45, -25.37, 16.57
CIE _{LCh}	95, 30.305, 146.843
Yxy	88.6800, 0.3061, 0.3790
Android (android.graphics.Color)	4291493841 (0xFFCAFFD1)
YUV	233.9090, -12.2801, -27.9842
Hunter-Lab	94.1701, -29.0306, 19.5401

Details

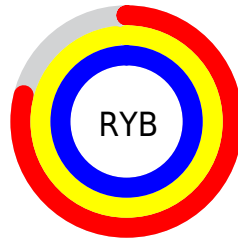
The XYZ color **71.6257, 88.6800, 73.6635** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.3040, 70.2789, 98.1917**, and the grayscale version is **78.2365, 82.3109, 89.6366**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0594, 48.9243, 38.0092** is the 20% darker color. If you saturate the color by 10%, you get **62.7338, 84.3910, 59.9237**, and if you desaturate by 10%, it is **82.0396, 93.7096, 89.4642**.

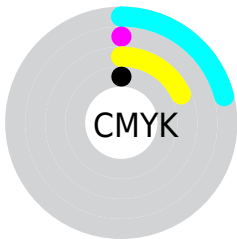
Distribution



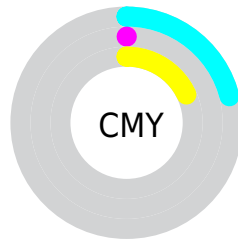
- Red (79%)
- Green (100%)
- Blue (82%)



- Red (79%)
- Yellow (98%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.6257, 88.6800, 73.6635 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 71.6257, 88.6800, 73.6635 by changing the saturation by 10% instead.


 71.6257, 88.6800,
73.6635

 71.6257, 88.6800,
73.6635


455.4156,
523.7275, 492.4435

 53.1373, 66.8864,
54.0236


120.5379,
145.5035, 126.1483

 38.1403, 48.9923,
38.2272


151.6925,
181.3021, 159.8303

 26.2693, 34.6134,
25.8559


187.7998,
222.5379, 199.0299

 17.1590, 23.3652,
16.4910

229.2253,
269.5952, 244.1659

 10.4439, 14.8634,
9.7142

276.3342,
322.8584, 295.6567

 5.7588, 8.7236,
5.1068

329.4921,

 2.7382, 4.5613,

382.7120, 353.9209

2.2502

389.0641,
449.5402, 419.3770

■ 1.0169, 1.9923,
0.7031

■ 0.0000, 0.6030,
0.0000

■ 71.6257, 88.6800,
73.6635

■ 71.6257, 88.6800,
73.6635

■ 62.7338, 84.3910,
59.9237

■ 82.0396, 93.7096,
89.4642

■ 55.2905, 80.8065,
48.1560

■ 94.0404, 99.5117,
107.4015

■ 49.2190, 77.8891,
38.2709

■ 95.0500, 100.0000,
108.9000

■ 44.4348, 75.5970,
30.1708

■ 40.8437, 73.8842,
23.7491

■ 38.3386, 72.6978,
18.8877

■ 36.7927, 71.9752,
15.4535

■ 36.0442, 71.6337,
13.4166

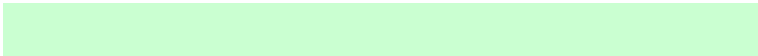
Harmonies

Analogous

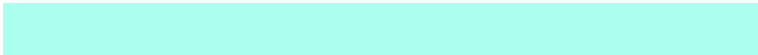
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2877, 88.6800, 61.2613



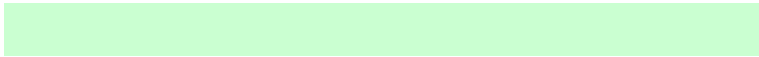
71.6257, 88.6800, 73.6635



69.3418, 88.6800, 94.0632

Triad

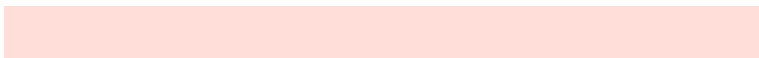
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6257, 88.6800, 73.6635



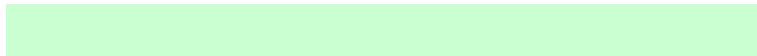
83.4122, 88.6800, 149.7351



99.3373, 88.6800, 77.3622

Complementary

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



71.6257, 88.6800, 73.6635



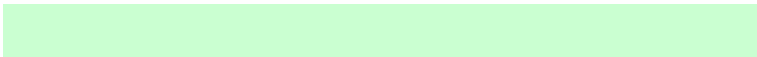
79.3040, 70.2789, 98.1917

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.



101.2402, 88.6800, 99.0954



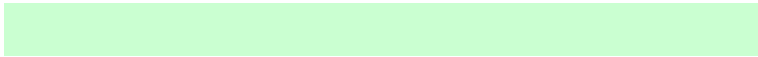
71.6257, 88.6800, 73.6635



91.6981, 88.6800, 143.3263

Square

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



71.6257, 88.6800, 73.6635



75.8604, 88.6800, 140.0772



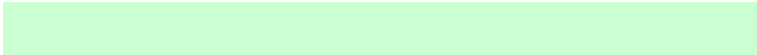
98.3603, 88.6800, 123.7623



93.3171, 88.6800, 63.1378

Rectangle

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



71.6257, 88.6800, 73.6635



69.9230, 88.6800, 110.4092



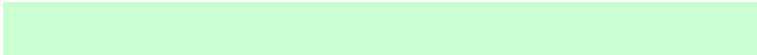
98.3603, 88.6800, 123.7623



100.4961, 88.6800, 83.9155

Sweetspot

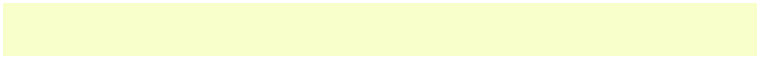
The Sweet Spot groups the original color and five complimentary colors.



71.6264, 88.6803, 73.6649



87.5785, 96.3869, 97.7735



85.4225, 95.8904, 69.8844



18.5789, 20.5503, 20.6785



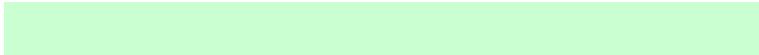
0.0000, 0.0000, 0.0000



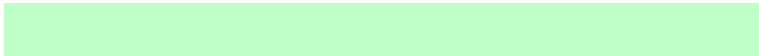
20.3446, 21.4041, 23.3091

Same Dimension

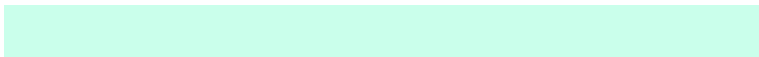
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6264, 88.6803, 73.6649



67.6957, 86.7836, 67.6252



75.0672, 90.0566, 91.7842



17.8692, 20.2072, 19.6143



18.8637, 37.4421, 7.1675



1.8655, 3.6571, 0.8494

Inverse Universe

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



79.3040, 70.2789, 98.1917



76.6490, 65.3202, 96.2236



75.5882, 68.7926, 78.6249



18.6833, 18.2566, 22.2156



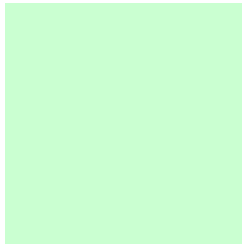
28.4305, 13.8615, 37.2472



2.7956, 1.3606, 3.7712

Previews

White Background



This preview shows how the XYZ color 71.6257, 88.6800, 73.6635 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 71.6257, 88.6800, 73.6635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

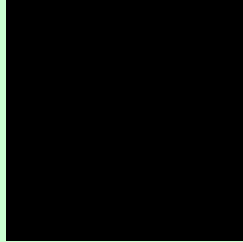
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

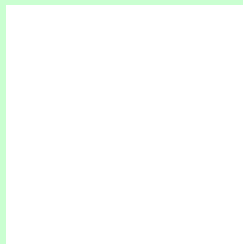
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6257, 88.6800, 73.6635

Background



This preview shows how black text looks on a background with the XYZ color 71.6257, 88.6800, 73.6635.



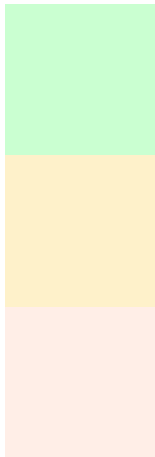
This preview shows how white text looks on a background with the XYZ color 71.6257, 88.6800,

73.6635.

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

71.6257, 88.6800, 73.6635

Protanopia

82.9890, 88.2457, 68.5362

Deuteranopia

86.2383, 88.1786, 88.0762



Tritanopia

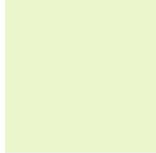
82.0792, 88.2523, 107.3161

Trichromacy



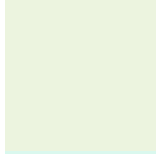
Original Color

71.6257, 88.6800, 73.6635



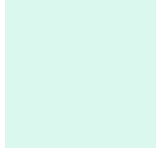
Protanomaly

78.2362, 87.9815, 70.6162



Deuteranomaly

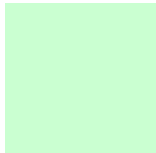
80.2620, 87.8619, 82.5408



Tritanomaly

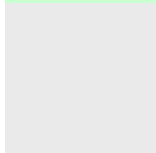
77.9135, 88.2133, 93.8093

Monochromacy



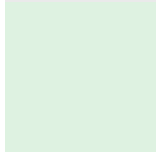
Original Color

71.6257, 88.6800, 73.6635



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4669, 84.4701, 83.5610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6257, 88.6800, 73.6635 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(202, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 209)  
}
```

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(202, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 71.6257, 88.6800, 73.6635 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(202, 255, 209) }
```


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

```
.border{ border-color:rgb(202, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6257, 88.6800, 73.6635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 209) }
```

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

```
.background{ background-color: rgb(202,  
255, 209) }
```

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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