

Converting Colors

XYZ(72.5240, 86.0866, 83.0814)

Have a look what the booklet for
XYZ(72.5240, 86.0866, 83.0814)
contains.

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Color

**XYZ(72.5071, 86.1123,
83.3208)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF9E0
RGB	205, 249, 224
RGB Percent	80%, 98%, 88%
CMY	0.1961, 0.0235, 0.1216
CMYK	0.18, 0.00, 0.10, 0.02
HSL	146°, 79%, 89%
HSV	146°, 18%, 98%
XYZ	72.5071, 86.1123, 83.3208
YIQ	232.9940, -18.1990, -17.1030

Conversions

Conversions Part 2

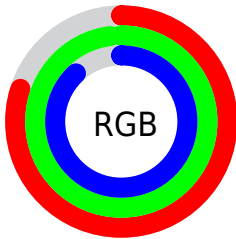
Format	Color
R_{YB}	205, 236, 249
Decimal	13498848
CIE _{Lab}	94.36, -18.83, 7.34
CIE _{LCh}	94, 20.211, 158.698
Yxy	86.1123, 0.2997, 0.3559
Android (android.graphics.Color)	4291688928 (0xFFC9F9E0)
YUV	232.9940, -4.4340, -24.5507
Hunter-Lab	92.7967, -22.9225, 11.7221

Details

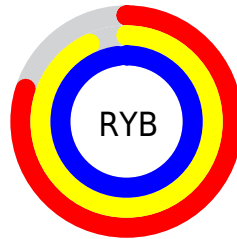
The XYZ color **72.5071, 86.1123, 83.3208** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1843, 69.5178, 84.3225**, and the grayscale version is **77.4917, 81.5273, 88.7833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5887, 47.0479, 44.5834** is the 20% darker color. If you saturate the color by 10%, you get **64.3379, 82.1159, 73.3358**, and if you desaturate by 10%, it is **81.9339, 90.7434, 94.2019**.

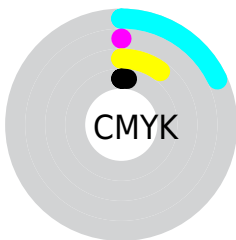
Distribution



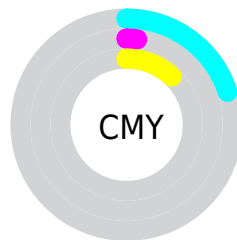
- Red (80%)
- Green (98%)
- Blue (88%)



- Red (80%)
- Yellow (93%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)



- Cyan (20%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5071, 86.1123, 83.3208 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 72.5071, 86.1123, 83.3208 by changing the saturation by 10% instead.


 72.5071, 86.1123,
83.3208

 72.5071, 86.1123,
83.3208


458.4350,
515.3014, 526.0540

 53.8600, 64.7608,
61.9127


121.7841,
141.9262, 139.8779

 38.7199, 47.2672,
44.5268


153.1447,
177.1574, 175.8640

 26.7217, 33.2469,
30.7447

189.4739,
217.7840, 217.5465

 17.4998, 22.3157,
20.1477

231.1369,
264.1904, 265.3440

 10.6890, 14.0890,
12.3173

278.4992,
316.7609, 319.6749

 5.9238, 8.1826,
6.8350

331.9260,

 2.8391, 4.2120,

375.8800, 380.9579

3.2822

391.7829,
441.9320, 449.6114

■ 1.0692, 1.7929,
1.2405

■ 0.0000, 0.4827,
0.0123

■ 72.5071, 86.1123,
83.3208

■ 72.5071, 86.1123,
83.3208

■ 64.3379, 82.1159,
73.3358

■ 81.9339, 90.7434,
94.2019

■ 57.3636, 78.7151,
64.2183

■ 92.6631, 96.0245,
105.9953

■ 51.5270, 75.8832,
55.9465

■ 93.1673, 96.2346,
108.2724

■ 46.7628, 73.5872,
48.4955

■ 42.9989, 71.7903,
41.8392

■ 40.1540, 70.4511,
35.9498

■ 38.1324, 69.5209,
30.7976

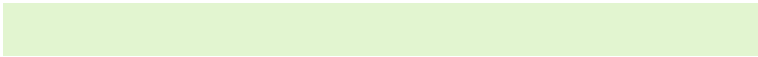
■ 36.8087, 68.9355,
26.3502

■ 36.5584, 68.8270,
25.4109

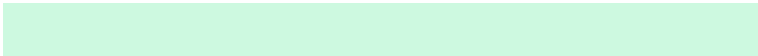
Harmonies

Analogous

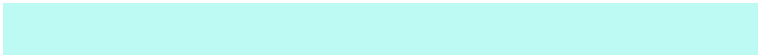
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4964, 86.1123, 72.3229



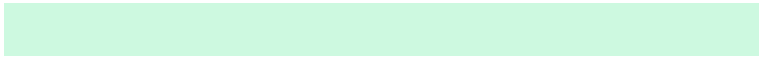
72.5071, 86.1123, 83.3208



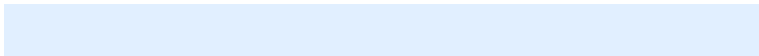
71.9617, 86.1123, 98.3528

Triad

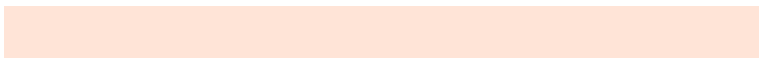
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5071, 86.1123, 83.3208



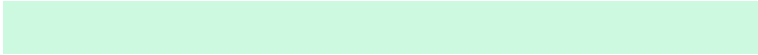
83.4349, 86.1123, 126.5056



90.2623, 86.1123, 76.2947

Complementary

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



72.5071, 86.1123, 83.3208



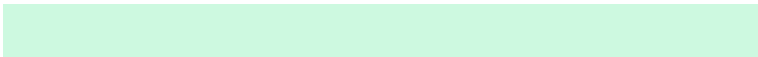
75.1843, 69.5178, 84.3225

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.



92.5989, 86.1123, 89.3157



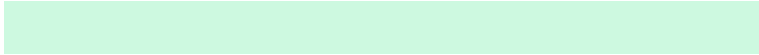
72.5071, 86.1123, 83.3208



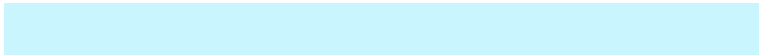
88.5445, 86.1123, 119.0666

Square

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



72.5071, 86.1123, 83.3208



78.1153, 86.1123, 124.4439



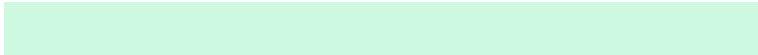
91.9567, 86.1123, 105.0402



85.6960, 86.1123, 68.5890

Rectangle

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



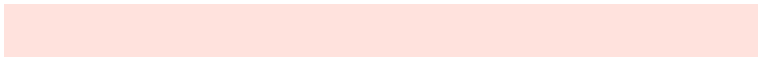
72.5071, 86.1123, 83.3208



73.0329, 86.1123, 108.8529



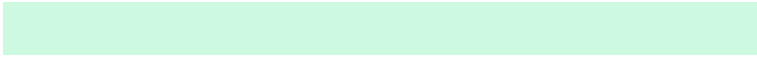
91.9567, 86.1123, 105.0402



91.3435, 86.1123, 80.1339

Sweetspot

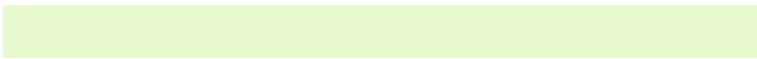
The Sweet Spot groups the original color and five complimentary colors.



72.5095, 86.1159, 83.3227



89.3691, 97.2036, 102.6599



77.7457, 89.0966, 70.8586



18.9638, 20.7245, 21.7899



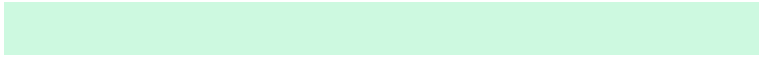
0.0000, 0.0000, 0.0000



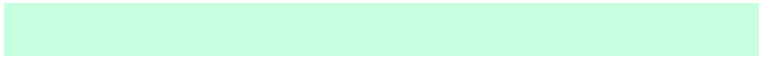
20.3446, 21.4041, 23.3091

Same Dimension

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



72.5095, 86.1159, 83.3227



73.5008, 89.4129, 84.3129



75.5878, 87.3473, 99.5330



17.3285, 19.4337, 19.9306



19.6363, 36.8675, 13.9600



1.8707, 3.4354, 1.5669

Inverse Universe

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



75.1843, 69.5178, 84.3225



76.7799, 69.0627, 85.5368



72.3683, 68.3914, 69.4936



17.6579, 17.3905, 20.0540



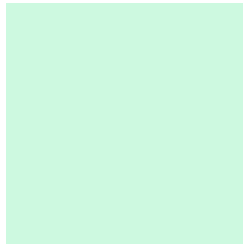
23.5775, 11.8467, 15.0153



2.2368, 1.1185, 1.6706

Previews

White Background



This preview shows how the XYZ color 72.5071, 86.1123, 83.3208 looks on a white background.

Color Contrast Check

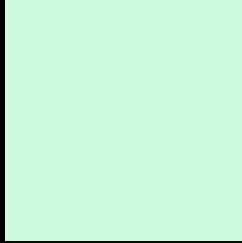
Large Text (above 18pt) WCAG AA × Fail

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 72.5071, 86.1123, 83.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

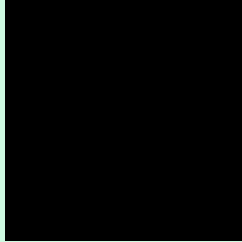
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

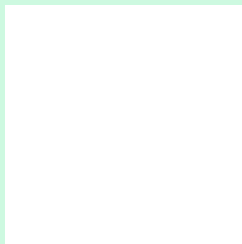
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5071, 86.1123, 83.3208

Background



This preview shows how black text looks on a background with the XYZ color 72.5071, 86.1123, 83.3208.



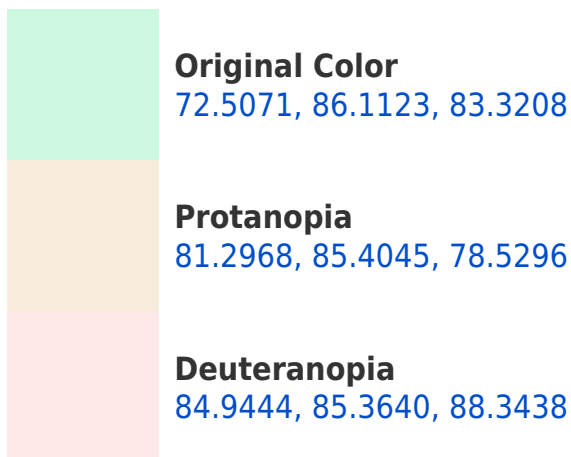
This preview shows how white text looks on a background with the XYZ color 72.5071, 86.1123,

83.3208.

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





Tritanopia

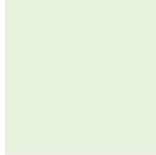
79.6209, 86.0964, 107.0295

Trichromacy



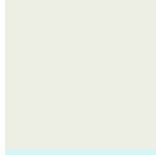
Original Color

72.5071, 86.1123, 83.3208



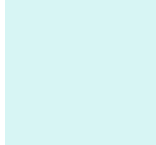
Protanomaly

77.6523, 85.2337, 80.0692



Deuteranomaly

79.9344, 85.3947, 86.3986



Tritanomaly

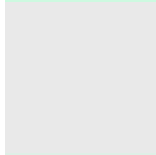
77.0059, 86.2835, 98.1837

Monochromacy



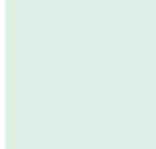
Original Color

72.5071, 86.1123, 83.3208



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.5809, 83.1342, 86.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5071, 86.1123, 83.3208 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(205, 249, 224)` looks like.

```
.text, #text, p{  
    color:rgb(205, 249, 224)  
}
```

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(205, 249, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 249, 224) }
```

Border

The CSS property to change the border of an element to XYZ 72.5071, 86.1123, 83.3208 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(205, 249, 224) }
```


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

```
.border{ border-color:rgb(205, 249, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 249, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 249, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 249, 224);  
box-shadow:4px 4px 4px 4px rgb(205, 249,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5071, 86.1123, 83.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 249, 224) }
```

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

```
.background{ background-color: rgb(205,  
249, 224) }
```

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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