

Converting Colors

XYZ(73.0869, 88.5928, 78.9086)

Have a look what the booklet for
XYZ(73.0869, 88.5928, 78.9086)
contains.

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Color

**XYZ(72.8265, 88.2394,
78.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFDD9
RGB	205, 253, 217
RGB Percent	80%, 99%, 85%
CMY	0.1961, 0.0078, 0.1490
CMYK	0.19, 0.00, 0.14, 0.01
HSL	135°, 92%, 90%
HSV	135°, 19%, 99%
XYZ	72.8265, 88.2394, 78.8392
YIQ	234.5440, -17.0520, -21.3720

Conversions

Conversions Part 2

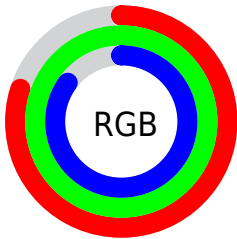
Format	Color
R _Y B	205, 243, 253
Decimal	13499865
CIE Lab	95.26, -22.05, 12.24
CIE LCh	95, 25.214, 150.966
Yxy	88.2394, 0.3036, 0.3678
Android (android.graphics.Color)	4291689945 (0xFFCDFDD9)
YUV	234.5440, -8.6492, -25.9101
Hunter-Lab	93.9358, -26.0004, 15.9937

Details

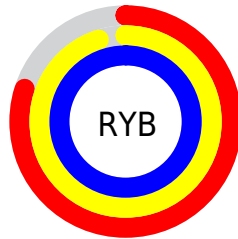
The XYZ color **72.8265, 88.2394, 78.8392** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2196, 70.8983, 92.7851**, and the grayscale version is **78.6939, 82.7921, 90.1606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8392, 48.5725, 41.5108** is the 20% darker color. If you saturate the color by 10%, you get **64.0759, 83.9998, 66.2784**, and if you desaturate by 10%, it is **82.9943, 93.1818, 92.9515**.

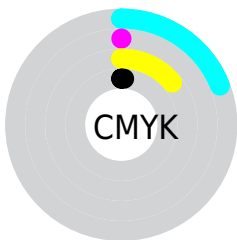
Distribution



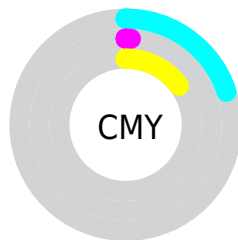
- Red (80%)
- Green (99%)
- Blue (85%)



- Red (80%)
- Yellow (95%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (20%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8265, 88.2394, 78.8392 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 72.8265, 88.2394, 78.8392 by changing the saturation by 10% instead.


 72.8265, 88.2394,
78.8392

 72.8265, 88.2394,
78.8392


459.5264,
522.2869, 510.6154

 54.1220, 66.5214,
58.2431

122.2353,
144.8904, 133.5291

 38.9302, 48.6957,
41.5881

153.6704,
180.5922, 168.4599

 26.8859, 34.3782,
28.4557

190.0796,
221.7239, 209.0061

 17.6237, 23.1843,
18.4275

231.8284,
268.6701, 255.5861

 10.7782, 14.7296,
11.0847

279.2821,
321.8151, 308.6185

 5.9841, 8.6299,
6.0090

332.8061,

 2.8760, 4.5006,

381.5433, 368.5218

2.7816

392.7657,
448.2391, 435.7146

■ 1.0885, 1.9573,
0.9843

■ 0.0155, 0.5825,
0.0000

■ 72.8265, 88.2394,
78.8392

■ 72.8265, 88.2394,
78.8392

■ 64.0759, 83.9998,
66.2784

■ 82.9943, 93.1818,
92.9515

■ 56.6716, 80.4200,
55.2104

■ 94.4094, 98.7309,
108.6495

■ 50.5471, 77.4695,
45.5811

■ 94.4169, 98.7339,
108.6890

■ 45.6277, 75.1110,
37.3311

■ 41.8304, 73.3029,
30.3967

■ 39.0612, 71.9984,
24.7092

■ 37.2100, 71.1421,
20.1935

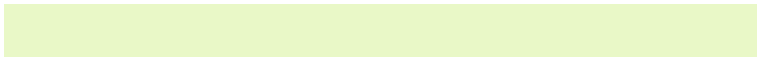
■ 36.1193, 70.6546,
16.7649

■ 36.0311, 70.6155,
16.4702

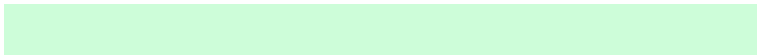
Harmonies

Analogous

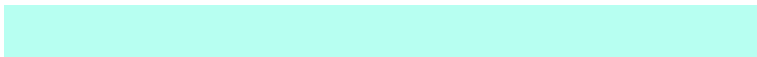
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2450, 88.2394, 67.1163



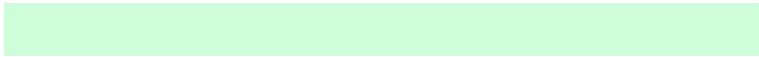
72.8265, 88.2394, 78.8392



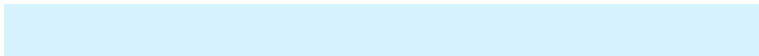
71.3256, 88.2394, 96.7180

Triad

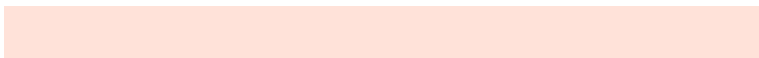
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8265, 88.2394, 78.8392



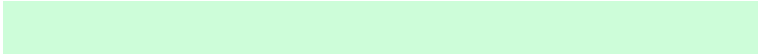
84.0922, 88.2394, 139.1532



95.7308, 88.2394, 77.8733

Complementary

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



72.8265, 88.2394, 78.8392



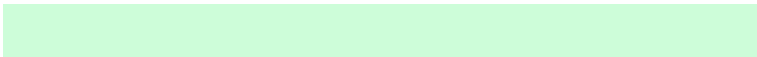
78.2196, 70.8983, 92.7851

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.



97.8028, 88.2394, 95.4403



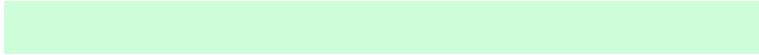
72.8265, 88.2394, 78.8392



90.8611, 88.2394, 132.3615

Square

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



72.8265, 88.2394, 78.8392



77.6113, 88.2394, 133.1541



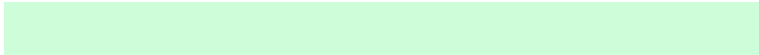
95.9746, 88.2394, 115.6620



90.4541, 88.2394, 66.6146

Rectangle

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



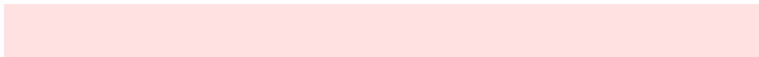
72.8265, 88.2394, 78.8392



72.1130, 88.2394, 110.2811



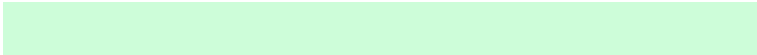
95.9746, 88.2394, 115.6620



96.8377, 88.2394, 83.1494

Sweetspot

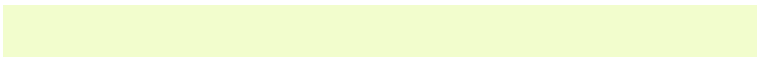
The Sweet Spot groups the original color and five complimentary colors.



72.8289, 88.2431, 78.8412



87.8505, 96.4956, 99.2054



82.6975, 93.5044, 71.4482



18.6430, 20.5759, 21.0158



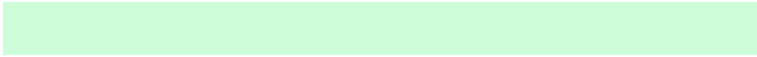
0.0000, 0.0000, 0.0000



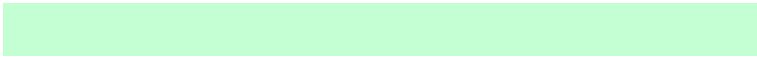
20.3446, 21.4041, 23.3091

Same Dimension

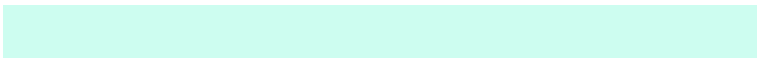
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8289, 88.2431, 78.8412



70.3755, 88.0065, 74.9135



76.0628, 89.5367, 95.8707



17.9578, 20.2427, 20.0808



19.2150, 37.5826, 9.0172



1.9124, 3.6759, 1.0965

Inverse Universe

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



78.2196, 70.8983, 92.7851



76.8375, 67.2093, 91.6247



74.9707, 69.5987, 75.6769



18.5872, 18.2182, 21.7094



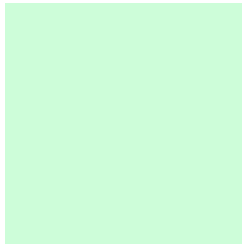
26.5401, 13.1053, 27.2924



2.6278, 1.2935, 2.8873

Previews

White Background



This preview shows how the XYZ color 72.8265, 88.2394, 78.8392 looks on a white background.

Color Contrast Check

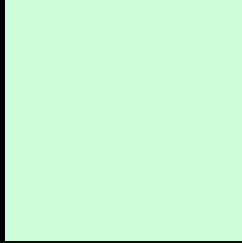
Large Text (above 18pt) WCAG AA × Fail

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 72.8265, 88.2394, 78.8392 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

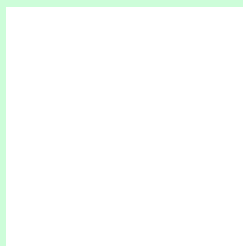
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8265, 88.2394, 78.8392

Background



This preview shows how black text looks on a background with the XYZ color 72.8265, 88.2394, 78.8392.



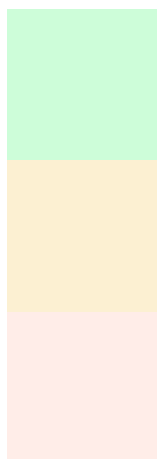
This preview shows how white text looks on a background with the XYZ color 72.8265, 88.2394,

78.8392.

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

72.8265, 88.2394, 78.8392

Protanopia

82.9378, 87.6688, 73.5232

Deuteranopia

86.0897, 87.6546, 88.7255



Tritanopia

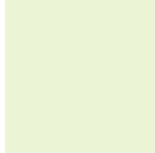
81.7647, 88.0901, 107.3014

Trichromacy



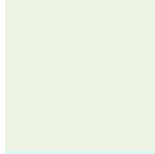
Original Color

72.8265, 88.2394, 78.8392



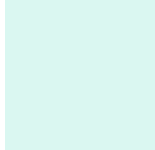
Protanomaly

78.9236, 87.7711, 75.7326



Deuteranomaly

80.8408, 87.6518, 85.3308



Tritanomaly

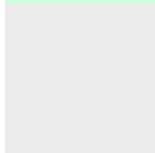
78.0514, 87.7778, 96.0482

Monochromacy



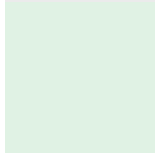
Original Color

72.8265, 88.2394, 78.8392



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4962, 84.9530, 85.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8265, 88.2394, 78.8392 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, 253, 217)` looks like.

```
.text, #text, p{  
    color:rgb(205, 253, 217)  
}
```

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, 253, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 253, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.8265, 88.2394, 78.8392 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, 253, 217) }
```


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

```
.border{ border-color:rgb(205, 253, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 253, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 253, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 253, 217); box-shadow:4px 4px 4px 4px rgb(205, 253, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8265, 88.2394, 78.8392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 253, 217) }
```

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

```
.background{ background-color: rgb(205,  
253, 217) }
```

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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