

Converting Colors

XYZ(82.5056, 100.5283,
85.2998)

Have a look what the booklet for
XYZ(82.5056, 100.5283, 85.2998)
contains.

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Color

**XYZ(78.1280, 91.8072,
84.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFE0
RGB	218, 255, 224
RGB Percent	85%, 100%, 88%
CMY	0.1451, 0.0000, 0.1216
CMYK	0.15, 0.00, 0.12, 0.00
HSL	130°, 100%, 93%
HSV	130°, 15%, 100%
XYZ	78.1280, 91.8072, 84.1238
YIQ	240.4030, -12.1010, -17.4850

Conversions

Conversions Part 2

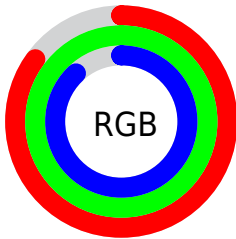
Format	Color
RYB	218, 250, 255
Decimal	14352352
CIELab	96.74, -17.58, 10.86
CIELCh	97, 20.665, 148.290
Yxy	91.8072, 0.3075, 0.3614
Android (android.graphics.Color)	4292542432 (0xFFDAFFE0)
YUV	240.4030, -8.0867, -19.6474
Hunter-Lab	95.8161, -22.1300, 15.0163

Details

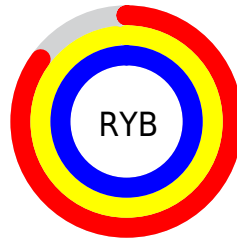
The XYZ color **78.1280, 91.8072, 84.1238** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.4107, 78.2432, 100.3286**, and the grayscale version is **83.2080, 87.5413, 95.3324**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4598, 51.0393, 45.1498** is the 20% darker color. If you saturate the color by 10%, you get **68.3618, 87.0866, 69.4800**, and if you desaturate by 10%, it is **89.4330, 97.2791, 100.7429**.

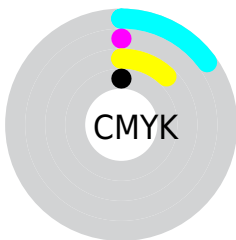
Distribution



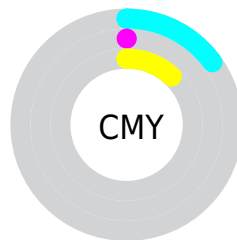
- Red (85%)
- Green (100%)
- Blue (88%)



- Red (85%)
- Yellow (98%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1280, 91.8072, 84.1238 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 78.1280, 91.8072, 84.1238 by changing the saturation by 10% instead.

78.1280, 91.8072,
84.1238

78.1280, 91.8072,
84.1238

477.4346,
533.8922, 528.7930

58.4823, 69.4805,
62.5717

129.6950,
149.8461, 141.0116

42.4413, 51.1031,
45.0560

162.3469,
186.3272, 177.1844

29.6396, 36.2907,
31.1583

200.0650,
228.2951, 219.0678

19.7119, 24.6588,
20.4599

243.2145,
276.1344, 267.0803

12.2928, 15.8230,
12.5424

292.1609,
330.2293, 321.6406

7.0171, 9.3990,
6.9872

347.2695,

3.5192, 5.0023,

390.9643, 383.1671

3.3758

408.9056,
458.7238, 452.0784

■ 1.4339, 2.2486,
1.2896

■ 0.2802, 0.7463,
0.0532

■ 78.1280, 91.8072,
84.1238

■ 78.1280, 91.8072,
84.1238

■ 68.3618, 87.0866,
69.4800

■ 89.4330, 97.2791,
100.7429

■ 60.0653, 83.0831,
56.7339

95.0500, 100.0000,
108.9000

■ 53.1672, 79.7617,
45.8091

■ 47.5896, 77.0839,
36.6222

■ 43.2469, 75.0075,
29.0836

■ 40.0429, 73.4850,
23.0953

■ 37.8671, 72.4617,
18.5491

■ 36.5857, 71.8712,
15.3228

■ 36.1665, 71.6826,
14.0604

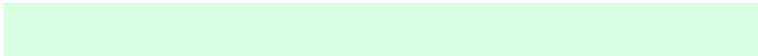
Harmonies

Analogous

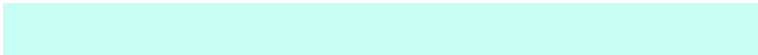
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0896, 91.8072, 74.4347



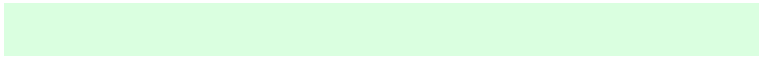
78.1280, 91.8072, 84.1238



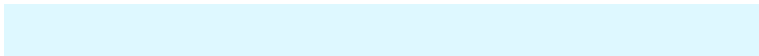
76.5990, 91.8072, 99.0143

Triad

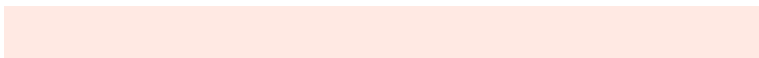
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1280, 91.8072, 84.1238



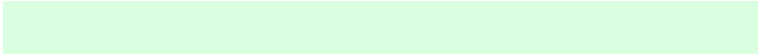
86.9283, 91.8072, 135.3366



97.4342, 91.8072, 85.6008

Complementary

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



78.1280, 91.8072, 84.1238



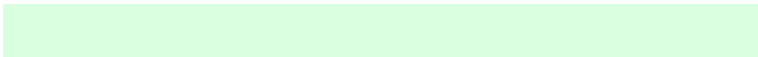
83.4107, 78.2432, 100.3286

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.



98.8670, 91.8072, 100.9166



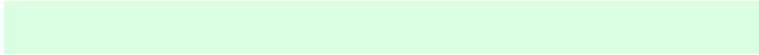
78.1280, 91.8072, 84.1238



92.6431, 91.8072, 130.7464

Square

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



78.1280, 91.8072, 84.1238



81.5385, 91.8072, 129.6122



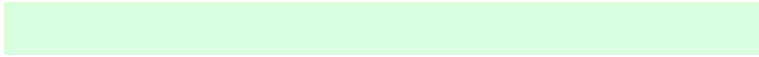
97.0772, 91.8072, 117.6739



93.2430, 91.8072, 75.2188

Rectangle

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



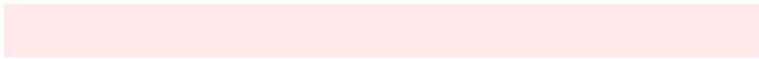
78.1280, 91.8072, 84.1238



77.1112, 91.8072, 110.3056



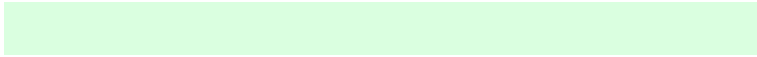
97.0772, 91.8072, 117.6739



98.2623, 91.8072, 90.2869

Sweetspot

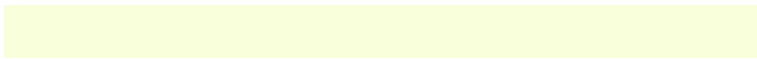
The Sweet Spot groups the original color and five complimentary colors.



78.1288, 91.8076, 84.1252



90.0508, 97.5783, 101.6430



87.6427, 96.8046, 80.3967



19.0795, 20.7913, 21.4715



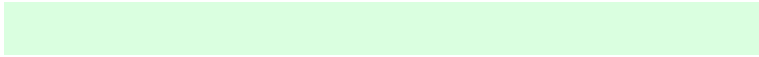
0.0000, 0.0000, 0.0000



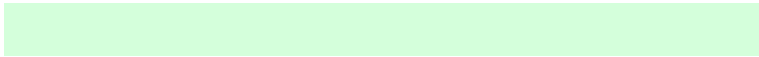
20.3446, 21.4041, 23.3091

Same Dimension

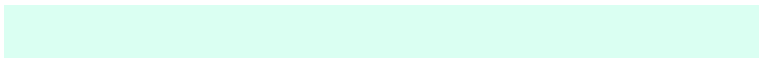
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1288, 91.8076, 84.1252



75.5547, 90.5627, 80.2956



80.7086, 92.8395, 97.7103



17.8917, 20.2162, 19.7326



18.9329, 37.4698, 7.5320



1.8760, 3.6613, 0.9047

Inverse Universe

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



83.4107, 78.2432, 100.3286



81.6346, 74.9476, 98.9460



80.7288, 77.1705, 86.2056



18.6587, 18.2468, 22.0857



27.9144, 13.6551, 34.5294



2.7502, 1.3425, 3.5321

Previews

White Background



This preview shows how the XYZ color 78.1280, 91.8072, 84.1238 looks on a white background.

Color Contrast Check

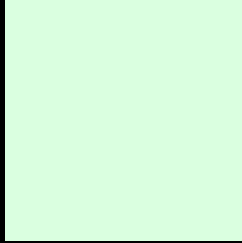
Large Text (above 18pt) WCAG AA × Fail

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 78.1280, 91.8072, 84.1238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

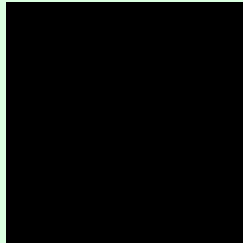
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

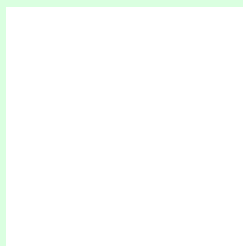
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1280, 91.8072, 84.1238

Background



This preview shows how black text looks on a background with the XYZ color 78.1280, 91.8072, 84.1238.



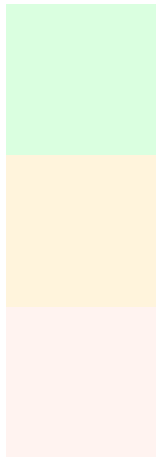
This preview shows how white text looks on a background with the XYZ color 78.1280, 91.8072,

84.1238.

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

78.1280, 91.8072, 84.1238

Protanopia

86.5090, 91.1287, 80.7402

Deuteranopia

89.0188, 91.6525, 95.4370



Tritanopia

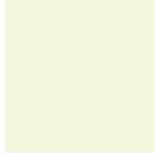
86.2358, 91.7461, 107.7714

Trichromacy



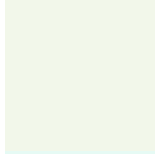
Original Color

78.1280, 91.8072, 84.1238



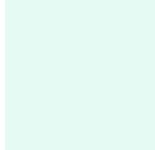
Protanomaly

83.2365, 91.2325, 81.6292



Deuteranomaly

84.7300, 91.3393, 91.0064



Tritanomaly

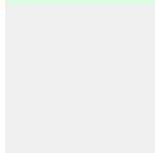
83.1479, 91.7259, 98.9105

Monochromacy



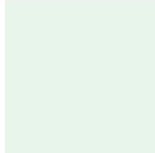
Original Color

78.1280, 91.8072, 84.1238



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7824, 88.4011, 90.6473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1280, 91.8072, 84.1238 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(218, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 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(218, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 78.1280, 91.8072, 84.1238 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(218, 255, 224) }
```


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

```
.border{ border-color:rgb(218, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1280, 91.8072, 84.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 224) }
```

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

```
.background{ background-color: rgb(218,  
255, 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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