

Converting Colors

XYZ(78.3642, 87.8629, 88.6355)

Have a look what the booklet for
XYZ(78.3642, 87.8629, 88.6355)
contains.

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Color

**XYZ(78.1200, 87.5283,
88.3786)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F6E7
RGB	224, 246, 231
RGB Percent	88%, 96%, 91%
CMY	0.1216, 0.0353, 0.0941
CMYK	0.09, 0.00, 0.06, 0.04
HSL	139°, 55%, 92%
HSV	139°, 9%, 96%
XYZ	78.1200, 87.5283, 88.3786
YIQ	237.7120, -8.2970, -9.3290

Conversions

Conversions Part 2

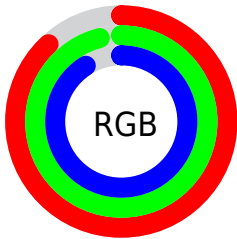
Format	Color
R_{YB}	224, 241, 246
Decimal	14743271
CIE _{Lab}	94.96, -9.93, 4.75
CIE _{LCh}	95, 11.005, 154.425
Yxy	87.5283, 0.3075, 0.3446
Android (android.graphics.Color)	4292933351 (0xFFE0F6E7)
YUV	237.7120, -3.3090, -12.0254
Hunter-Lab	93.5566, -14.6760, 9.4810

Details

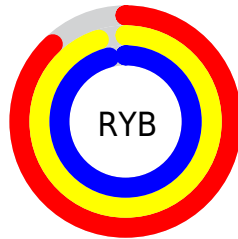
The XYZ color **78.1200, 87.5283, 88.3786** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.2448, 79.1383, 92.7113**, and the grayscale version is **81.0767, 85.2990, 92.8906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5135, 48.3571, 47.6506** is the 20% darker color. If you saturate the color by 10%, you get **68.7839, 82.9786, 76.1620**, and if you desaturate by 10%, it is **88.7912, 92.7450, 101.8466**.

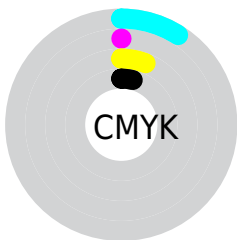
Distribution



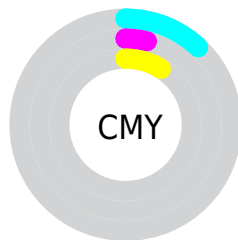
- Red (88%)
- Green (96%)
- Blue (91%)



- Red (88%)
- Yellow (95%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1200, 87.5283, 88.3786 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 78.1200, 87.5283, 88.3786 by changing the saturation by 10% instead.

78.1200, 87.5283,
88.3786

78.1200, 87.5283,
88.3786

477.4078,
519.9573, 543.1757

58.4757, 65.9325,
66.0705

129.6837,
143.9003, 146.9999

42.4359, 48.2176,
47.8728

162.3339,
179.4452, 184.1502

29.6354, 33.9992,
33.3669

200.0500,
220.4087, 227.0851

19.7087, 22.8930,
22.1343

243.1975,
267.1750, 276.2229

12.2905, 14.5145,
13.7563

292.1416,
320.1287, 331.9824

7.0154, 8.4794,
7.8146

347.2478,

3.5182, 4.4032,

379.6540, 394.7820

3.8905

408.8815,
446.1354, 465.0402

■ 1.4333, 1.9016,
1.5654

■ 0.2798, 0.5493,
0.2660

■ 78.1200, 87.5283,
88.3786

■ 78.1200, 87.5283,
88.3786

■ 68.7839, 82.9786,
76.1620

■ 88.7912, 92.7450,
101.8466

■ 60.7220, 79.0578,
65.1554

■ 92.2474, 94.3949,
107.9658

■ 53.8795, 75.7409,
55.3234

■ 48.1949, 72.9970,
46.6267

■ 43.6009, 70.7922,
39.0238

■ 40.0229, 69.0890,
32.4709

■ 37.3767, 67.8450,
26.9207

■ 35.5634, 67.0101,
22.3223

■ 34.4392, 66.5113,
18.6188

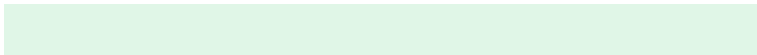
Harmonies

Analogous

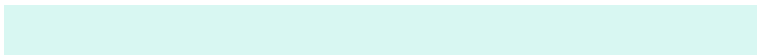
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9887, 87.5283, 82.3712



78.1200, 87.5283, 88.3786



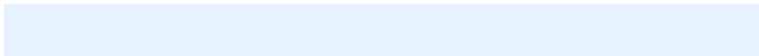
77.5980, 87.5283, 96.5778

Triad

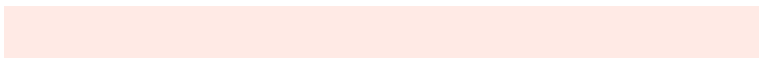
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1200, 87.5283, 88.3786



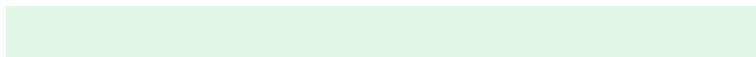
83.6368, 87.5283, 112.6587



88.0203, 87.5283, 86.3053

Complementary

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



78.1200, 87.5283, 88.3786



80.2448, 79.1383, 92.7113

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.



89.0507, 87.5283, 94.0403



78.1200, 87.5283, 88.3786



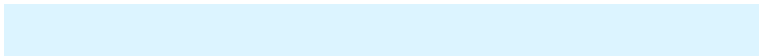
86.4818, 87.5283, 109.5230

Square

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



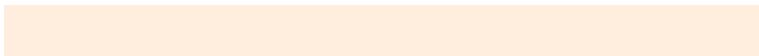
78.1200, 87.5283, 88.3786



80.7386, 87.5283, 110.9209



88.4810, 87.5283, 102.5809



85.6967, 87.5283, 81.2253

Rectangle

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



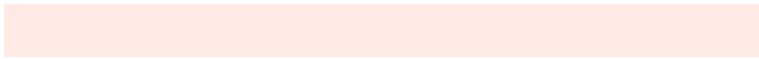
78.1200, 87.5283, 88.3786



78.0733, 87.5283, 102.2668



88.4810, 87.5283, 102.5809



88.5318, 87.5283, 88.6636

Sweetspot

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



78.1224, 87.5320, 88.3805



91.4627, 98.2464, 104.4076



82.0215, 89.6540, 83.5041



19.3764, 20.9309, 22.0951



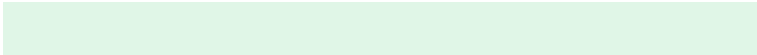
0.0000, 0.0000, 0.0000



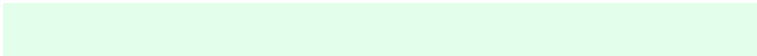
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1224, 87.5320, 88.3805



82.5448, 93.8916, 93.0330



79.7211, 88.1715, 96.7989



16.4994, 18.5589, 18.6483



18.3857, 35.4991, 10.0508



1.6607, 3.1379, 1.1191

Inverse Universe

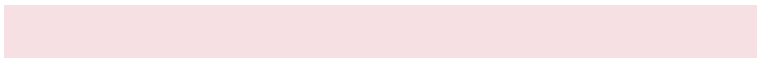
The Inverse Universe completely reimagines the original color for something new.



80.2448, 79.1383, 92.7113



85.3417, 82.8293, 98.7398



78.6726, 78.5094, 84.4320



16.9762, 16.6733, 19.6212



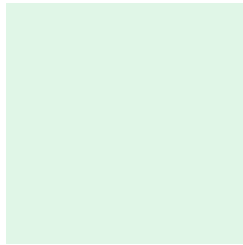
24.1123, 11.9884, 21.0975



2.1658, 1.0723, 2.0995

Previews

White Background



This preview shows how the XYZ color 78.1200, 87.5283, 88.3786 looks on a white background.

Color Contrast Check

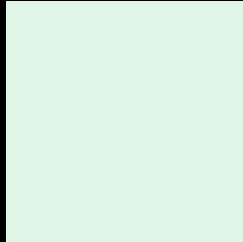
Large Text (above 18pt) WCAG AA × Fail

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 78.1200, 87.5283, 88.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

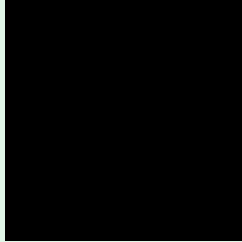
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

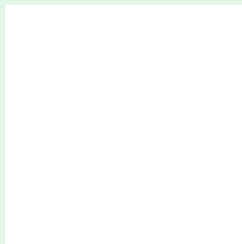
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1200, 87.5283, 88.3786

Background



This preview shows how black text looks on a background with the XYZ color 78.1200, 87.5283, 88.3786.



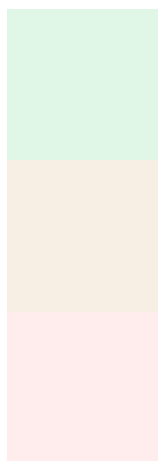
This preview shows how white text looks on a background with the XYZ color 78.1200, 87.5283,

88.3786.

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

78.1200, 87.5283, 88.3786

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

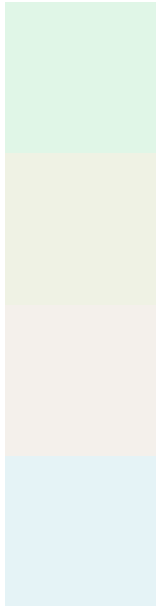
86.5215, 87.3653, 92.4238



Tritanopia

82.7840, 87.2864, 107.0925

Trichromacy



Original Color

78.1200, 87.5283, 88.3786

Protanomaly

81.3523, 87.4564, 85.9918

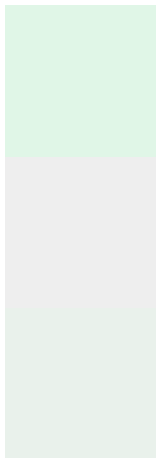
Deuteranomaly

83.4637, 87.5514, 91.0974

Tritanomaly

80.9982, 87.4130, 99.7921

Monochromacy



Original Color

78.1200, 87.5283, 88.3786

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.0550, 86.2324, 91.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1200, 87.5283, 88.3786 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(224, 246, 231)` looks like.

```
.text, #text, p{  
    color:rgb(224, 246, 231)  
}
```

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(224, 246, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 246, 231) }
```

Border

The CSS property to change the border of an element to XYZ 78.1200, 87.5283, 88.3786 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(224, 246, 231) }
```


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

```
.border{ border-color:rgb(224, 246, 231) }
```

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

Here you see how a box with a 4 pixel rgb(224, 246, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 246, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 246, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 246,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1200, 87.5283, 88.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 246, 231) }
```

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

```
.background{ background-color: rgb(224,  
246, 231) }
```

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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