

Converting Colors

XYZ(78.1364, 88.1557, 88.6316)

Have a look what the booklet for
XYZ(78.1364, 88.1557, 88.6316)
contains.

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Color

**XYZ(78.1160, 87.9790,
88.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF7E7
RGB	223, 247, 231
RGB Percent	87%, 97%, 91%
CMY	0.1255, 0.0314, 0.0941
CMYK	0.10, 0.00, 0.06, 0.03
HSL	140°, 60%, 92%
HSV	140°, 10%, 97%
XYZ	78.1160, 87.9790, 88.4658
YIQ	238.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

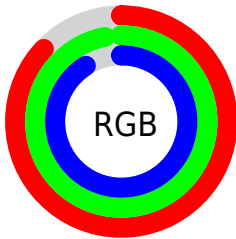
Format	Color
R _Y B	223, 241, 247
Decimal	14677991
CIE Lab	95.15, -10.75, 5.02
CIE LCh	95, 11.867, 154.989
Yxy	87.9790, 0.3069, 0.3456
Android (android.graphics.Color)	4292868071 (0xFFDFF7E7)
YUV	238.0000, -3.4510, -13.1550
Hunter-Lab	93.7971, -15.4868, 9.7380

Details

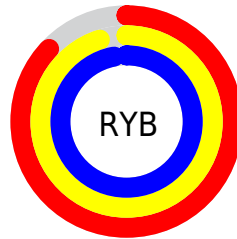
The XYZ color **78.1160, 87.9790, 88.4658** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3286, 78.7837, 92.6385**, and the grayscale version is **81.3011, 85.5350, 93.1477**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5171, 48.6816, 47.7130** is the 20% darker color. If you saturate the color by 10%, you get **68.8365, 83.4540, 76.4564**, and if you desaturate by 10%, it is **88.7295, 93.1714, 101.6838**.

Distribution



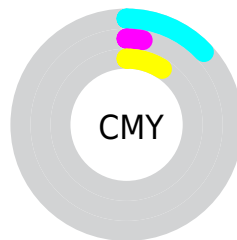
- Red (87%)
- Green (97%)
- Blue (91%)



- Red (87%)
- Yellow (95%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1160, 87.9790, 88.4658 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 78.1160, 87.9790, 88.4658 by changing the saturation by 10% instead.

78.1160, 87.9790,
88.4658

78.1160, 87.9790,
88.4658

477.3945,
521.4345, 543.4682

58.4724, 66.3057,
66.1424

129.6781,
144.5279, 147.1223

42.4333, 48.5206,
47.9308

162.3274,
180.1723, 184.2925

29.6333, 34.2393,
33.4125

200.0425,
221.2425, 227.2486

19.7071, 23.0775,
22.1689

243.1889,
268.1229, 276.4093

12.2893, 14.6508,
13.7816

292.1320,
321.1979, 332.1931

7.0146, 8.5746,
7.8319

347.2370,

3.5177, 4.4648,

380.8519, 395.0185

3.9013

408.8694,
447.4693, 465.3040

■ 1.4331, 1.9368,
1.5714

■ 0.2796, 0.5704,
0.2703

■ 78.1160, 87.9790,
88.4658

■ 78.1160, 87.9790,
88.4658

■ 68.8365, 83.4540,
76.4564

■ 88.7295, 93.1714,
101.6838

■ 60.8297, 79.5580,
65.6158

■ 92.5524, 95.0049,
108.0675

■ 54.0405, 76.2658,
55.9105

■ 48.4068, 73.5461,
47.3034

■ 43.8605, 71.3648,
39.7550

■ 40.3264, 69.6838,
33.2238

■ 37.7190, 68.4600,
27.6651

■ 35.9376, 67.6424,
23.0308

■ 34.8243, 67.1506,
19.2667

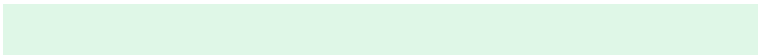
Harmonies

Analogous

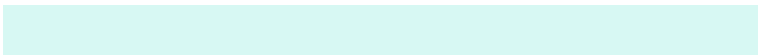
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1088, 87.9790, 81.9424



78.1160, 87.9790, 88.4658



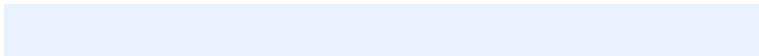
77.5829, 87.9790, 97.3500

Triad

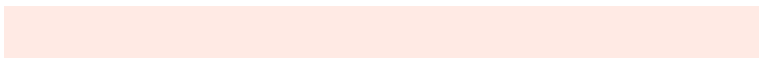
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1160, 87.9790, 88.4658



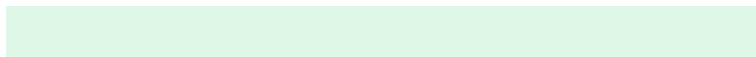
84.1629, 87.9790, 114.6378



88.8159, 87.9790, 85.9482

Complementary

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



78.1160, 87.9790, 88.4658



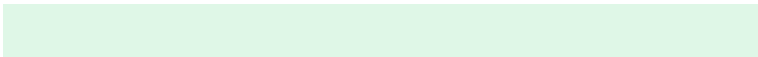
80.3286, 78.7837, 92.6385

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.



89.9654, 87.9790, 94.2550



78.1160, 87.9790, 88.4658



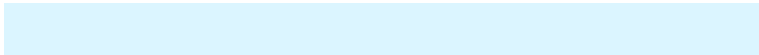
87.2352, 87.9790, 111.1251

Square

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



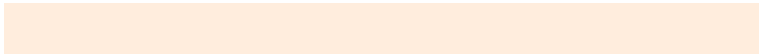
78.1160, 87.9790, 88.4658



81.0218, 87.9790, 112.8423



89.3796, 87.9790, 103.5165



86.2760, 87.9790, 80.5559

Rectangle

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



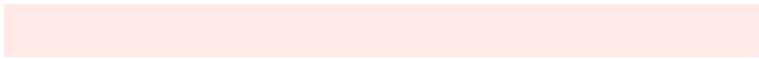
78.1160, 87.9790, 88.4658



78.1150, 87.9790, 103.5099



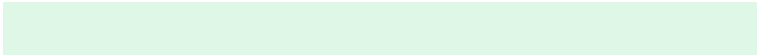
89.3796, 87.9790, 103.5165



89.3806, 87.9790, 88.4717

Sweetspot

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



78.1185, 87.9827, 88.4677



91.4809, 98.2537, 104.5033



82.3152, 90.2738, 82.8994



19.3813, 20.9328, 22.1208



0.0000, 0.0000, 0.0000



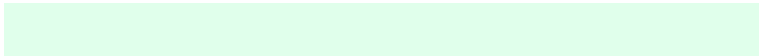
20.3446, 21.4041, 23.3091

Same Dimension

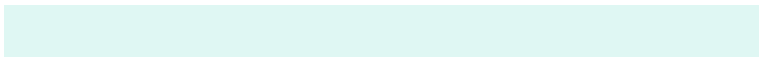
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1185, 87.9827, 88.4677



81.5620, 93.4063, 92.0239



79.8124, 88.6603, 97.3880



16.5100, 18.5631, 18.7040



18.4612, 35.5293, 10.4482



1.6683, 3.1410, 1.1592

Inverse Universe

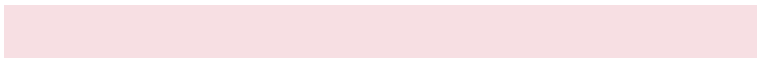
The Inverse Universe completely reimagines the original color for something new.



80.3286, 78.7837, 92.6385



84.4544, 81.3670, 97.4816



78.6686, 78.1197, 83.8969



16.9651, 16.6689, 19.5629



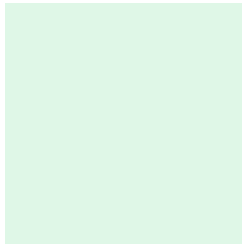
23.9312, 11.9159, 20.1436



2.1509, 1.0663, 2.0209

Previews

White Background



This preview shows how the XYZ color 78.1160, 87.9790, 88.4658 looks on a white background.

Color Contrast Check

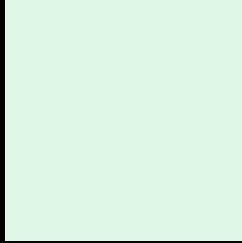
Large Text (above 18pt) WCAG AA × Fail

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 78.1160, 87.9790, 88.4658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

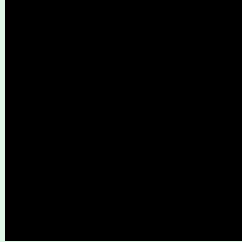
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

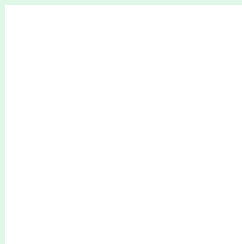
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1160, 87.9790, 88.4658

Background



This preview shows how black text looks on a background with the XYZ color 78.1160, 87.9790, 88.4658.



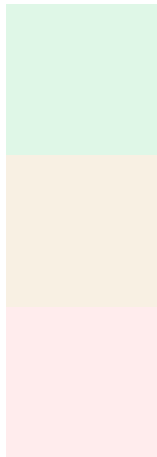
This preview shows how white text looks on a background with the XYZ color 78.1160, 87.9790,

88.4658.

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

78.1160, 87.9790, 88.4658

Protanopia

83.7366, 87.8227, 85.2111

Deuteranopia

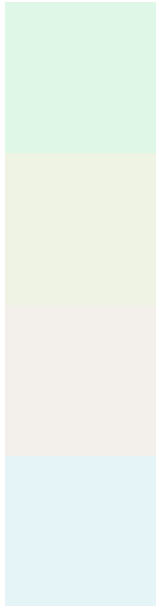
86.5215, 87.3653, 92.4238



Tritanopia

83.0808, 87.8801, 107.1915

Trichromacy



Original Color

78.1160, 87.9790, 88.4658

Protanomaly

81.6508, 88.0533, 86.0913

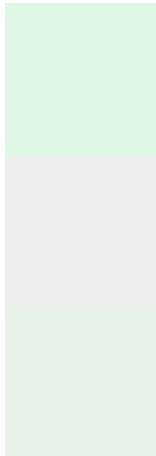
Deuteranomaly

83.1176, 87.3730, 91.0812

Tritanomaly

81.2983, 88.0132, 99.8921

Monochromacy



Original Color

78.1160, 87.9790, 88.4658

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 78.1160, 87.9790, 88.4658 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(223, 247, 231)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 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(223, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 231) }
```

Border

The CSS property to change the border of an element to XYZ 78.1160, 87.9790, 88.4658 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(223, 247, 231) }
```


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

```
.border{ border-color:rgb(223, 247, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 247, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1160, 87.9790, 88.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 231) }
```

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

```
.background{ background-color: rgb(223,  
247, 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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