

Converting Colors

XYZ(78.3440, 88.4699, 89.3481)

Have a look what the booklet for
XYZ(78.3440, 88.4699, 89.3481)
contains.

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Color

**XYZ(78.2571, 88.4906,
89.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF8E8
RGB	222, 248, 232
RGB Percent	87%, 97%, 91%
CMY	0.1294, 0.0274, 0.0902
CMYK	0.10, 0.00, 0.06, 0.03
HSL	143°, 65%, 92%
HSV	143°, 10%, 97%
XYZ	78.2571, 88.4906, 89.2997
YIQ	238.4020, -10.3600, -10.4880

Conversions

Conversions Part 2

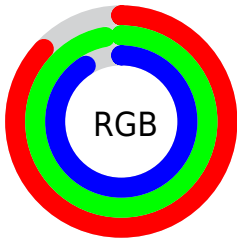
Format	Color
R _{YB}	222, 241, 248
Decimal	14612712
CIE Lab	95.37, -11.40, 4.80
CIE LCh	95, 12.370, 157.150
Yxy	88.4906, 0.3056, 0.3456
Android (android.graphics.Color)	4292802792 (0xFFDEF8E8)
YUV	238.4020, -3.1562, -14.3846
Hunter-Lab	94.0694, -16.1260, 9.5649

Details

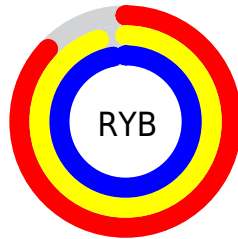
The XYZ color **78.2571, 88.4906, 89.2997** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.2685, 78.3743, 91.7903**, and the grayscale version is **81.6111, 85.8612, 93.5028**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6225, 49.0494, 48.2953** is the 20% darker color. If you saturate the color by 10%, you get **69.1382, 84.0318, 78.0433**, and if you desaturate by 10%, it is **88.6866, 93.6082, 101.6042**.

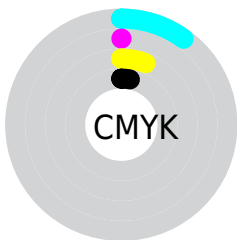
Distribution



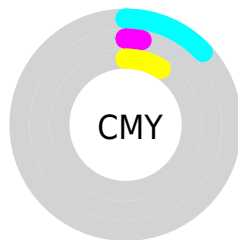
- Red (87%)
- Green (97%)
- Blue (91%)



- 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 78.2571, 88.4906, 89.2997 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 78.2571, 88.4906, 89.2997 by changing the saturation by 10% instead.


 78.2571, 88.4906,
89.2997

 78.2571, 88.4906,
89.2997


477.8660,
523.1085, 546.2614

 58.5887, 66.7294,
66.8295


129.8759,
145.2400, 148.2923

 42.5272, 48.8648,
48.4854


162.5571,
180.9970, 185.6517

 29.7073, 34.5122,
33.8487


200.3066,
222.1881, 228.8114

 19.7635, 23.2874,
22.5010

243.4897,
269.1977, 278.1898

 12.3305, 14.8059,
14.0236

292.4719,
322.4101, 334.2054

 7.0430, 8.6832,
7.9982

347.6184,

 3.5356, 4.5352,

382.2098, 397.2769

4.0060

409.2947,
448.9811, 467.8227

■ 1.4429, 1.9772,
1.6286

■ 0.2865, 0.5942,
0.3111

■ 78.2571, 88.4906,
89.2997

■ 78.2571, 88.4906,
89.2997

■ 69.1382, 84.0318,
78.0433

■ 88.6866, 93.6082,
101.6042

■ 61.2691, 80.1937,
67.8017

■ 92.8591, 95.6182,
108.1697

■ 54.5951, 76.9511,
58.5482

■ 49.0546, 74.2727,
50.2531

■ 44.5801, 72.1245,
42.8849

■ 41.0966, 70.4684,
36.4103

■ 38.5187, 69.2610,
30.7940

■ 36.7451, 68.4510,
25.9979

■ 35.6517, 67.9712,
22.1563

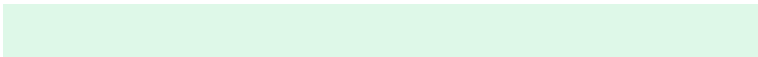
Harmonies

Analogous

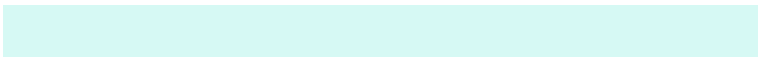
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2419, 88.4906, 82.2582



78.2571, 88.4906, 89.2997



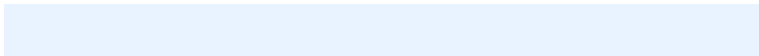
77.8198, 88.4906, 98.6876

Triad

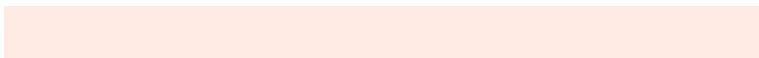
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2571, 88.4906, 89.2997



84.9196, 88.4906, 116.0337



89.3972, 88.4906, 85.5376

Complementary

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



78.2571, 88.4906, 89.2997



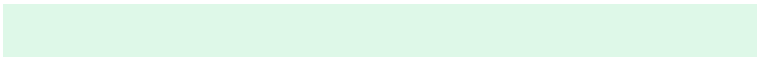
80.2685, 78.3743, 91.7903

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.



90.7254, 88.4906, 94.0520



78.2571, 88.4906, 89.2997



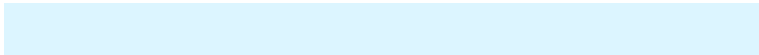
88.0956, 88.4906, 111.9684

Square

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



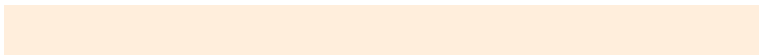
78.2571, 88.4906, 89.2997



81.6080, 88.4906, 114.5499



90.2428, 88.4906, 103.7645



86.6578, 88.4906, 80.1899

Rectangle

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



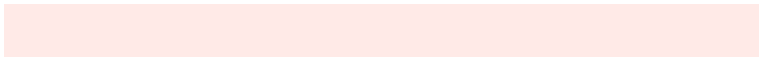
78.2571, 88.4906, 89.2997



78.4538, 88.4906, 105.1007



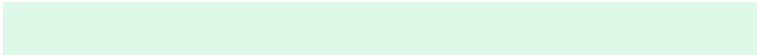
90.2428, 88.4906, 103.7645



90.0269, 88.4906, 88.1013

Sweetspot

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



78.2596, 88.4944, 89.3017



91.5425, 98.2783, 104.8274



82.0266, 90.5958, 82.2720



19.3979, 20.9395, 22.2081



0.0000, 0.0000, 0.0000



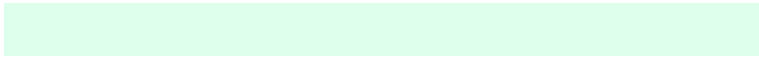
20.3446, 21.4041, 23.3091

Same Dimension

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



78.2596, 88.4944, 89.3017



80.7757, 93.0009, 91.9869



80.1709, 89.2589, 99.3668



17.2936, 19.4197, 19.7468



19.3214, 36.7416, 12.3017



1.8395, 3.4229, 1.4027

Inverse Universe

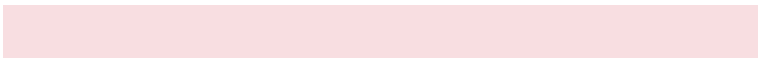
The Inverse Universe completely reimagines the original color for something new.



80.2685, 78.3743, 91.7903



83.3863, 79.8489, 95.2203



78.4305, 77.6391, 82.1117



17.6936, 17.4048, 20.2424



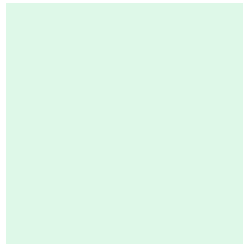
24.0721, 12.0446, 17.6198



2.2813, 1.1362, 1.9046

Previews

White Background



This preview shows how the XYZ color 78.2571, 88.4906, 89.2997 looks on a white background.

Color Contrast Check

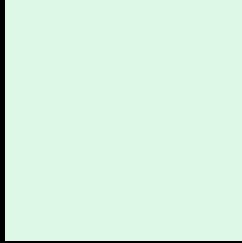
Large Text (above 18pt) WCAG AA × Fail

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 78.2571, 88.4906, 89.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

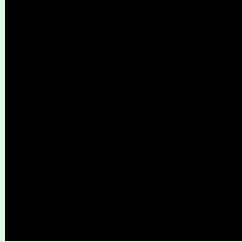
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

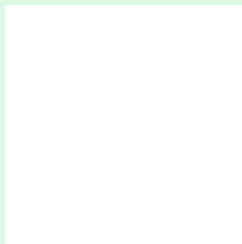
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2571, 88.4906, 89.2997

Background



This preview shows how black text looks on a background with the XYZ color 78.2571, 88.4906, 89.2997.



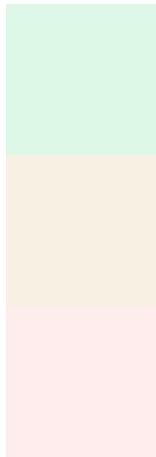
This preview shows how white text looks on a background with the XYZ color 78.2571, 88.4906,

89.2997.

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

78.2571, 88.4906, 89.2997

Protanopia

84.2306, 88.0613, 85.9569

Deuteranopia

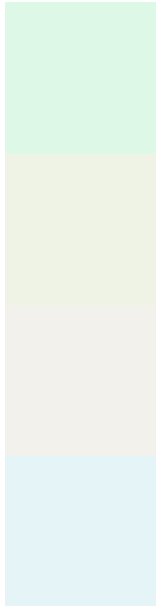
86.9568, 88.0014, 93.2918



Tritanopia

83.7049, 88.6448, 107.3062

Trichromacy



Original Color

78.2571, 88.4906, 89.2997

Protanomaly

81.7901, 88.1090, 86.8247

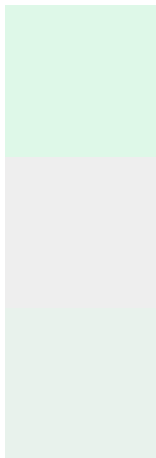
Deuteranomaly

83.5578, 88.0214, 91.9427

Tritanomaly

81.7540, 88.6782, 100.8034

Monochromacy



Original Color

78.2571, 88.4906, 89.2997

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.1712, 86.7162, 91.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2571, 88.4906, 89.2997 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(222, 248, 232)` looks like.

```
.text, #text, p{  
    color:rgb(222, 248, 232)  
}
```

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(222, 248, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 248, 232) }
```

Border

The CSS property to change the border of an element to XYZ 78.2571, 88.4906, 89.2997 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(222, 248, 232) }
```


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

```
.border{ border-color:rgb(222, 248, 232) }
```

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

Here you see how a box with a 4 pixel rgb(222, 248, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 248, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 248, 232);  
box-shadow:4px 4px 4px 4px rgb(222, 248,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2571, 88.4906, 89.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 248, 232) }
```

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

```
.background{ background-color: rgb(222,  
248, 232) }
```

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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