

Converting Colors

XYZ(78.4158, 89.1273, 85.2076)

Have a look what the booklet for
XYZ(78.4158, 89.1273, 85.2076)
contains.

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Color

**XYZ(78.3436, 89.0896,
85.0184)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F9E2
RGB	224, 249, 226
RGB Percent	88%, 98%, 89%
CMY	0.1216, 0.0235, 0.1137
CMYK	0.10, 0.00, 0.09, 0.02
HSL	125°, 68%, 93%
HSV	125°, 10%, 98%
XYZ	78.3436, 89.0896, 85.0184
YIQ	238.9030, -7.5170, -12.4530

Conversions

Conversions Part 2

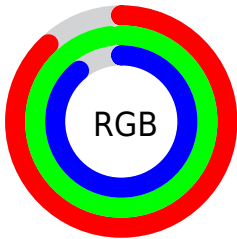
Format	Color
R_{YB}	224, 247, 249
Decimal	14744034
CIE _{Lab}	95.62, -12.31, 8.28
CIE _{LCh}	96, 14.831, 146.079
Yxy	89.0896, 0.3103, 0.3529
Android (android.graphics.Color)	4292934114 (0xFFE0F9E2)
YUV	238.9030, -6.3612, -13.0699
Hunter-Lab	94.3873, -17.0187, 12.6662

Details

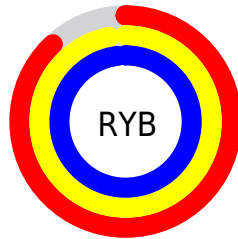
The XYZ color **78.3436, 89.0896, 85.0184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5142, 80.1686, 99.1249**, and the grayscale version is **82.0228, 86.2944, 93.9746**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7828, 49.5152, 45.8306** is the 20% darker color. If you saturate the color by 10%, you get **68.2480, 84.2270, 69.2187**, and if you desaturate by 10%, it is **89.9943, 94.7105, 103.0870**.

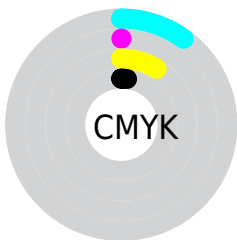
Distribution



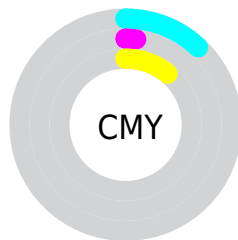
- Red (88%)
- Green (98%)
- Blue (89%)



- Red (88%)
- Yellow (97%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)





- Cyan (12%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3436, 89.0896, 85.0184 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 78.3436, 89.0896, 85.0184 by changing the saturation by 10% instead.


 78.3436, 89.0896,
85.0184

 78.3436, 89.0896,
85.0184


478.1549,
525.0649, 531.8351

 58.6600, 67.2258,
63.3063


129.9972,
146.0732, 142.2733

 42.5848, 49.2682,
45.6465


162.6979,
181.9617, 178.6532

 29.7526, 34.8322,
31.6203

200.4684,
223.2940, 220.7594

 19.7980, 23.5337,
20.8092

243.6741,
270.4544, 269.0106

 12.3557, 14.9881,
12.7947

292.6802,
323.8273, 323.8252

 7.0603, 8.8110,
7.1583

347.8521,

 3.5465, 4.6181,

383.7971, 385.6218

3.4814

409.5552,
450.7481, 454.8189

■ 1.4489, 2.0250,
1.3454

■ 0.2907, 0.6219,
0.0985

■ 78.3436, 89.0896,
85.0184

■ 78.3436, 89.0896,
85.0184

■ 68.2480, 84.2270,
69.2187

■ 89.9943, 94.7105,
103.0870

■ 59.6347, 80.0793,
55.5927

■ 93.1674, 96.2348,
108.2725

■ 52.4361, 76.6164,
44.0470

■ 46.5762, 73.8012,
34.4794

■ 41.9723, 71.5935,
26.7788

■ 38.5321, 69.9482,
20.8232

■ 36.1508, 68.8144,
16.4764

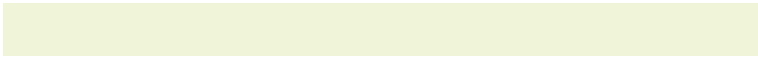
■ 34.7045, 68.1314,
13.5816

■ 34.0030, 67.8050,
11.9537

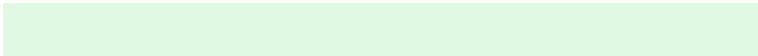
Harmonies

Analogous

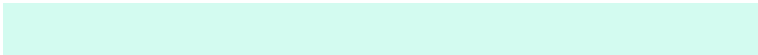
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2809, 89.0896, 78.2217



78.3436, 89.0896, 85.0184



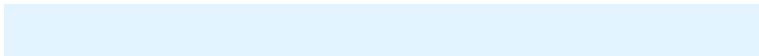
77.1022, 89.0896, 95.4779

Triad

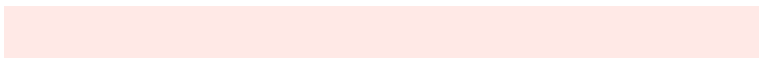
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3436, 89.0896, 85.0184



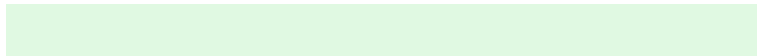
84.1426, 89.0896, 121.1427



91.9072, 89.0896, 87.4744

Complementary

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



78.3436, 89.0896, 85.0184



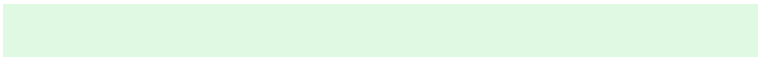
82.5142, 80.1686, 99.1249

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.



92.7324, 89.0896, 98.5451



78.3436, 89.0896, 85.0184



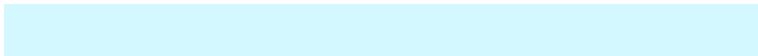
88.1664, 89.0896, 118.5740

Square

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



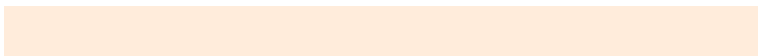
78.3436, 89.0896, 85.0184



80.3817, 89.0896, 116.8293



91.3428, 89.0896, 110.0650



89.1227, 89.0896, 79.5578

Rectangle

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



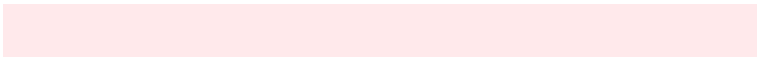
78.3436, 89.0896, 85.0184



77.3730, 89.0896, 103.3485



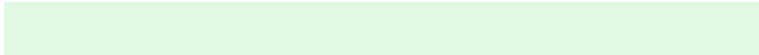
91.3428, 89.0896, 110.0650



92.4267, 89.0896, 90.9236

Sweetspot

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



78.3461, 89.0934, 85.0204



91.1787, 98.1328, 102.9119



85.8094, 92.9724, 83.9449



19.3001, 20.9003, 21.6929



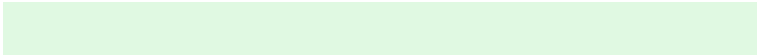
0.0000, 0.0000, 0.0000



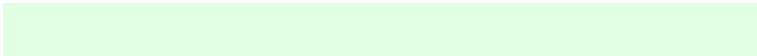
20.3446, 21.4041, 23.3091

Same Dimension

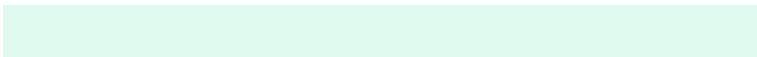
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3461, 89.0934, 85.0204



80.4688, 92.9690, 86.2668



80.0760, 89.7854, 94.1301



17.0737, 19.3318, 18.5888



18.2200, 36.3010, 6.5021



1.7063, 3.3696, 0.7011

Inverse Universe

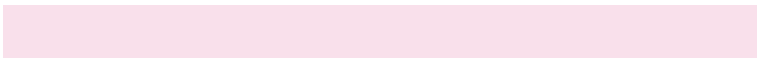
The Inverse Universe completely reimagines the original color for something new.



82.5142, 80.1686, 99.1249



85.6616, 81.8499, 103.8384



80.6967, 79.4416, 89.5541



17.9296, 17.4992, 21.4850



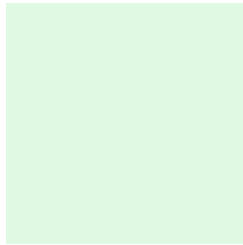
28.5133, 13.8210, 41.0069



2.6581, 1.2870, 3.8888

Previews

White Background



This preview shows how the XYZ color 78.3436, 89.0896, 85.0184 looks on a white background.

Color Contrast Check

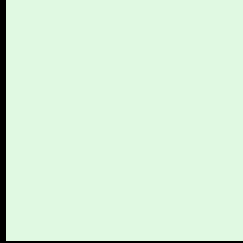
Large Text (above 18pt) WCAG AA × Fail

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 78.3436, 89.0896, 85.0184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

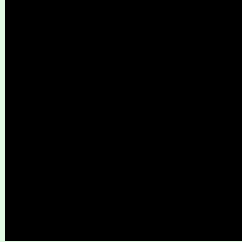
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

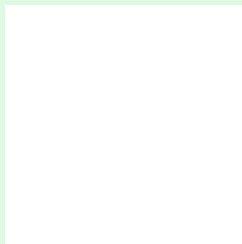
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3436, 89.0896, 85.0184

Background



This preview shows how black text looks on a background with the XYZ color 78.3436, 89.0896, 85.0184.



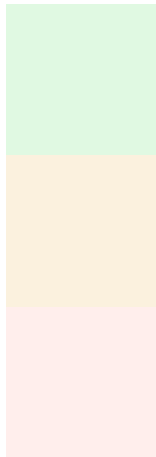
This preview shows how white text looks on a background with the XYZ color 78.3436, 89.0896,

85.0184.

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

78.3436, 89.0896, 85.0184

Protanopia

84.4238, 88.6937, 81.7772

Deuteranopia

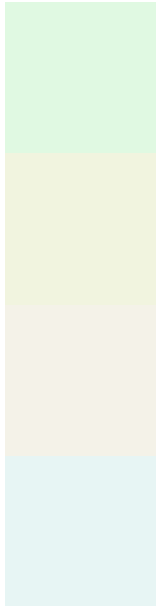
86.9549, 88.4652, 91.8494



Tritanopia

84.3615, 88.9834, 107.3369

Trichromacy



Original Color

78.3436, 89.0896, 85.0184

Protanomaly

81.9456, 88.7299, 82.6196

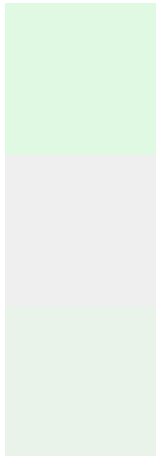
Deuteranomaly

83.6258, 88.5636, 89.0309

Tritanomaly

81.9365, 88.8254, 98.4144

Monochromacy



Original Color

78.3436, 89.0896, 85.0184

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.8336, 87.5341, 90.4773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3436, 89.0896, 85.0184 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, 249, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 249, 226)  
}
```

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, 249, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 249, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.3436, 89.0896, 85.0184 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, 249, 226) }
```


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

```
.border{ border-color:rgb(224, 249, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 249, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 249, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 249, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 249,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3436, 89.0896, 85.0184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 249, 226) }
```

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

```
.background{ background-color: rgb(224,  
249, 226) }
```

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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