

Converting Colors

XYZ(78.8301, 89.8188, 84.4178)

Have a look what the booklet for
XYZ(78.8301, 89.8188, 84.4178)
contains.

XYZ(78.8276, 89.8150, 84.4155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.8276, 89.8150,
84.4155)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FAE1
RGB	225, 250, 225
RGB Percent	88%, 98%, 88%
CMY	0.1176, 0.0196, 0.1176
CMYK	0.10, 0.00, 0.10, 0.02
HSL	120°, 71%, 93%
HSV	120°, 10%, 98%
XYZ	78.8276, 89.8150, 84.4155
YIQ	239.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

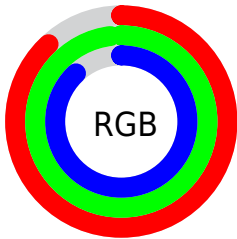
Format	Color
R _Y B	225, 250, 250
Decimal	14809825
CIE Lab	95.92, -12.65, 9.23
CIE LCh	96, 15.658, 143.864
Yxy	89.8150, 0.3115, 0.3549
Android (android.graphics.Color)	4292999905 (0xFFE1FAE1)
YUV	239.6750, -7.2348, -12.8700
Hunter-Lab	94.7708, -17.3777, 13.5280

Details

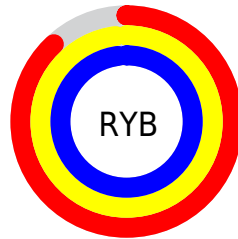
The XYZ color **78.8276, 89.8150, 84.4155** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.6082, 81.0789, 101.6901**, and the grayscale version is **82.6311, 86.9343, 94.6715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1250, 50.0319, 45.4144** is the 20% darker color. If you saturate the color by 10%, you get **68.4326, 84.8244, 67.4104**, and if you desaturate by 10%, it is **90.8682, 95.6014, 104.1080**.

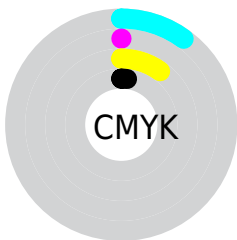
Distribution



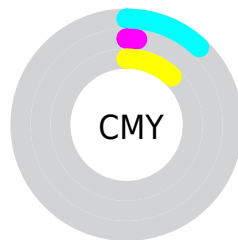
- Red (88%)
- Green (98%)
- Blue (88%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8276, 89.8150, 84.4155 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 78.8276, 89.8150, 84.4155 by changing the saturation by 10% instead.

78.8276, 89.8150,
84.4155

78.8276, 89.8150,
84.4155

479.7699,
527.4289, 529.7860

59.0592, 67.8272,
62.8112

130.6753,
147.0814, 141.4232

42.9073, 49.7572,
45.2484

163.4854,
183.1288, 177.6636

30.0066, 35.2205,
31.3088

201.3734,
224.6315, 219.6197

19.9917, 23.8328,
20.5737

244.7047,
271.9740, 267.7102

12.4973, 15.2096,
12.6245

293.8446,
325.5405, 322.3535

7.1579, 8.9666,
7.0428

349.1585,

3.6082, 4.7194,

385.7156, 383.9683

3.4100

411.0118,
452.8836, 452.9729

■ 1.4830, 2.0836,
1.3076

■ 0.3142, 0.6554,
0.0680

■ 78.8276, 89.8150,
84.4155

■ 78.8276, 89.8150,
84.4155

■ 68.4326, 84.8244,
67.4104

■ 90.8682, 95.6014,
104.1080

■ 59.6046, 80.5839,
52.9707

■ 93.4773, 96.8547,
108.3758

■ 52.2701, 77.0607,
40.9737

■ 46.3464, 74.2153,
31.2843

■ 41.7430, 72.0040,
23.7546

■ 38.3588, 70.3784,
18.2192

■ 36.0783, 69.2830,
14.4889

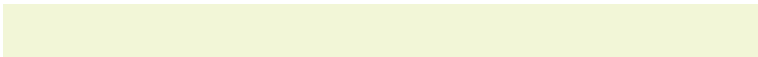
■ 34.7636, 68.6515,
12.3384

■ 34.1873, 68.3747,
11.3958

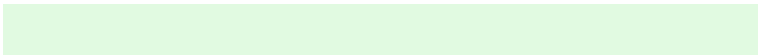
Harmonies

Analogous

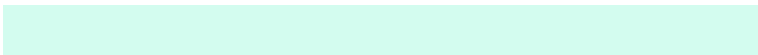
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0475, 89.8150, 77.5977



78.8276, 89.8150, 84.4155



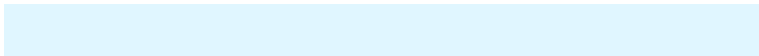
77.3654, 89.8150, 95.2705

Triad

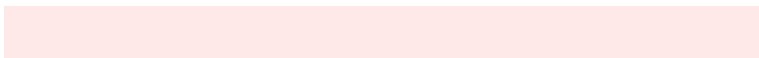
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8276, 89.8150, 84.4155



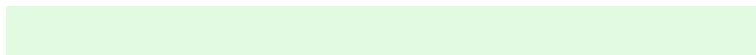
84.4810, 89.8150, 123.4243



93.1962, 89.8150, 88.4748

Complementary

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



78.8276, 89.8150, 84.4155



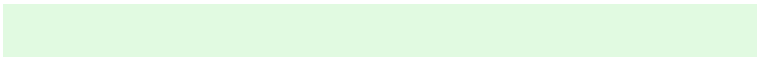
83.6082, 81.0789, 101.6901

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.



93.9009, 89.8150, 100.3602



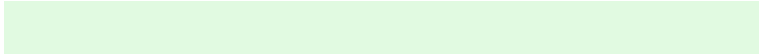
78.8276, 89.8150, 84.4155



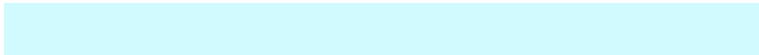
88.7737, 89.8150, 121.2200

Square

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



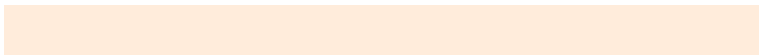
78.8276, 89.8150, 84.4155



80.5577, 89.8150, 118.3072



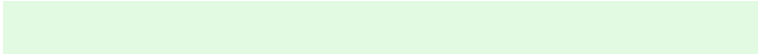
92.2573, 89.8150, 112.5146



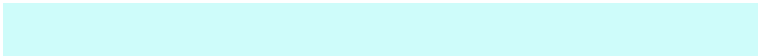
90.3628, 89.8150, 79.7993

Rectangle

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



78.8276, 89.8150, 84.4155



77.5478, 89.8150, 103.6092



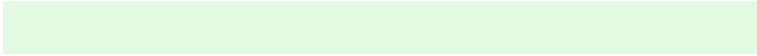
92.2573, 89.8150, 112.5146



93.6938, 89.8150, 92.1992

Sweetspot

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



78.8301, 89.8188, 84.4175



91.0839, 98.0949, 102.4127



87.2045, 94.1360, 84.8093



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



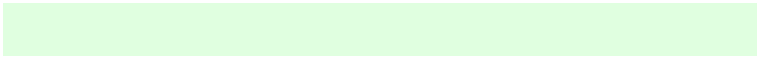
20.3446, 21.4041, 23.3091

Same Dimension

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



78.8301, 89.8188, 84.4175



80.1335, 92.8348, 84.5013



80.5990, 90.5264, 93.7324



17.0175, 19.3093, 18.2926



18.1331, 36.2663, 6.0444



1.6794, 3.3589, 0.5598

Inverse Universe

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



83.6082, 81.0789, 101.6901



86.0533, 82.0066, 105.9010



81.7118, 80.3203, 91.7038



17.9931, 17.5246, 21.8195



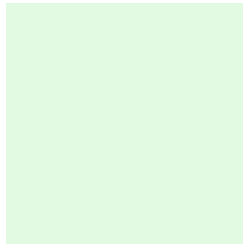
30.0646, 14.4416, 49.1760



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 78.8276, 89.8150, 84.4155 looks on a white background.

Color Contrast Check

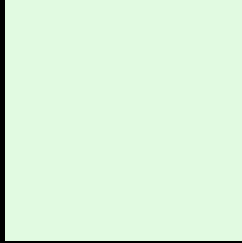
Large Text (above 18pt) WCAG AA × Fail

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 78.8276, 89.8150, 84.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

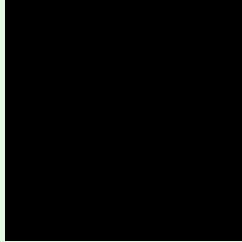
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

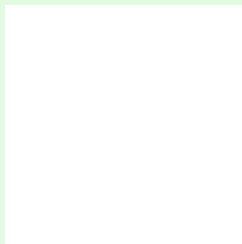
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8276, 89.8150, 84.4155

Background



This preview shows how black text looks on a background with the XYZ color 78.8276, 89.8150, 84.4155.



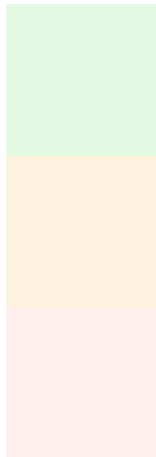
This preview shows how white text looks on a background with the XYZ color 78.8276, 89.8150,

84.4155.

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

78.8276, 89.8150, 84.4155

Protanopia

84.9482, 89.4202, 81.1892

Deuteranopia

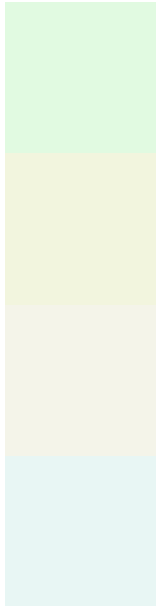
87.6862, 89.6946, 92.8120



Tritanopia

84.9928, 89.7542, 107.4524

Trichromacy



Original Color

78.8276, 89.8150, 84.4155

Protanomaly

82.4552, 89.4560, 82.0281

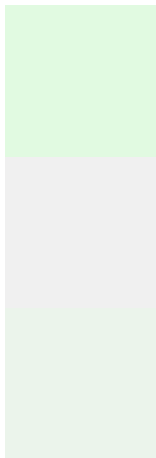
Deuteranomaly

84.3669, 89.8177, 89.9807

Tritanomaly

82.5636, 89.5990, 98.5307

Monochromacy



Original Color

78.8276, 89.8150, 84.4155

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.6070, 88.3617, 91.3516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8276, 89.8150, 84.4155 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(225, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 250, 225)  
}
```

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(225, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 250, 225) }
```

Border

The CSS property to change the border of an element to XYZ 78.8276, 89.8150, 84.4155 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(225, 250, 225) }
```


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

```
.border{ border-color:rgb(225, 250, 225) }
```

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

Here you see how a box with a 4 pixel rgb(225, 250, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 250,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8276, 89.8150, 84.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 250, 225) }
```

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

```
.background{ background-color: rgb(225,  
250, 225) }
```

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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