

Converting Colors

XYZ(81.7774, 89.0280, 85.5470)

Have a look what the booklet for
XYZ(81.7774, 89.0280, 85.5470)
contains.

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Color

**XYZ(81.7774, 89.0280,
85.5470)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF5E3
RGB	238, 245, 227
RGB Percent	93%, 96%, 89%
CMY	0.0667, 0.0392, 0.1098
CMYK	0.03, 0.00, 0.07, 0.04
HSL	83°, 47%, 93%
HSV	83°, 7%, 96%
XYZ	81.7774, 89.0280, 85.5470
YIQ	240.8550, 1.6060, -7.0820

Conversions

Conversions Part 2

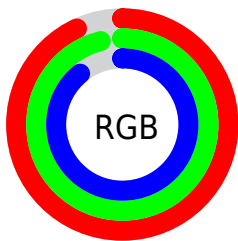
Format	Color
R _Y B	227, 245, 234
Decimal	15660515
CIE Lab	95.59, -5.44, 7.85
CIE LCh	96, 9.554, 124.740
Yxy	89.0280, 0.3190, 0.3473
Android (android.graphics.Color)	4293850595 (0xFFEEF5E3)
YUV	240.8550, -6.8305, -2.5038
Hunter-Lab	94.3547, -10.4143, 12.2928

Details

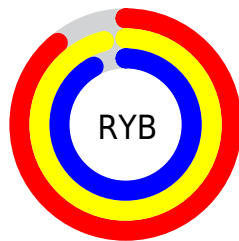
The XYZ color **81.7774, 89.0280, 85.5470** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8857, 79.0256, 97.5393**, and the grayscale version is **83.5483, 87.8993, 95.7224**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9354, 49.3188, 46.1809** is the 20% darker color. If you saturate the color by 10%, you get **75.5182, 86.1672, 68.8404**, and if you desaturate by 10%, it is **88.6922, 92.1764, 104.7998**.

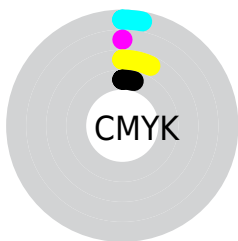
Distribution



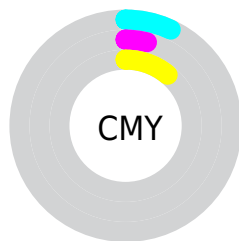
- Red (93%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7774, 89.0280, 85.5470 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 81.7774, 89.0280, 85.5470 by changing the saturation by 10% instead.


 81.7774, 89.0280,
85.5470

 81.7774, 89.0280,
85.5470


489.5486,
524.8639, 533.6280

 61.4955, 67.1748,
63.7407


134.7992,
145.9875, 143.0181

 44.8793, 49.2267,
45.9958


168.2700,
181.8626, 179.5200

 31.5632, 34.7993,
31.8939


206.8677,
223.1803, 221.7575

 21.1820, 23.5083,
21.0163

250.9577,
270.3252, 270.1491

 13.3703, 14.9693,
12.9446

300.9055,
323.6816, 325.1135

 7.7628, 8.7978,
7.2601

357.0763,

 3.9941, 4.6096,

383.6339, 387.0690

3.5444

419.8356,
450.5666, 456.4344

■ 1.6988, 2.0201,
1.3789

■ 0.4555, 0.6191,
0.1252

■ 81.7774, 89.0280,
85.5470

■ 81.7774, 89.0280,
85.5470

■ 75.5182, 86.1672,
68.8404

■ 88.6922, 92.1764,
104.7998

■ 69.8846, 83.5730,
54.5677

■ 91.9442, 93.7883,
107.8647

■ 64.8546, 81.2393,
42.6165

■ 60.4020, 79.1552,
32.8636

■ 56.4987, 77.3091,
25.1743

■ 53.1133, 75.6881,
19.3990

■ 50.2106, 74.2780,
15.3680

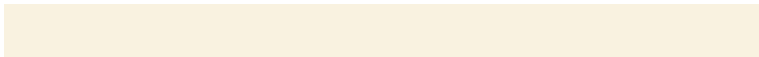
■ 47.7499, 73.0619,
12.8818

■ 45.6784, 72.0185,
11.6800

Harmonies

Analogous

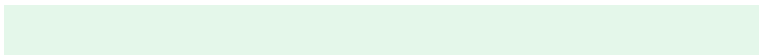
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2025, 89.0280, 83.2450



81.7774, 89.0280, 85.5470



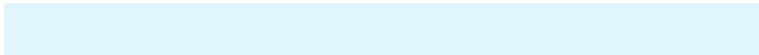
80.1396, 89.0280, 90.9035

Triad

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



81.7774, 89.0280, 85.5470



82.4849, 89.0280, 110.5920



89.7438, 89.0280, 95.7479

Complementary

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



81.7774, 89.0280, 85.5470



77.8857, 79.0256, 97.5393

Split Complementary

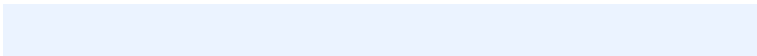
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2611, 89.0280, 103.2303



81.7774, 89.0280, 85.5470



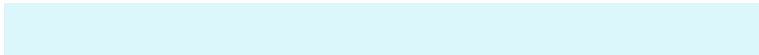
85.0358, 89.0280, 112.0522

Square

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



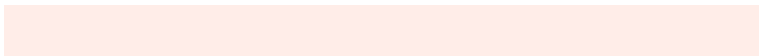
81.7774, 89.0280, 85.5470



80.5421, 89.0280, 105.4008



87.5245, 89.0280, 109.2942



88.8301, 89.0280, 88.9377

Rectangle

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



81.7774, 89.0280, 85.5470



79.6959, 89.0280, 95.6184



87.5245, 89.0280, 109.2942



89.7396, 89.0280, 98.2663

Sweetspot

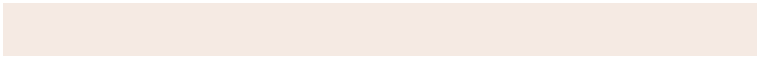
The Sweet Spot groups the original color and five complimentary colors.



81.7799, 89.0319, 85.5489



93.5134, 99.3015, 104.5987



80.9189, 83.7503, 84.5749



20.0319, 21.2619, 22.4335



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.



81.7799, 89.0319, 85.5489



88.3636, 96.9547, 90.4380



78.8653, 87.5293, 85.4125



17.2541, 18.9730, 17.5503



24.4945, 38.7402, 6.1866



2.2677, 3.4641, 0.5491

Inverse Universe

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



77.8857, 79.0256, 97.5393



83.1891, 83.6584, 106.3709



80.8814, 80.5699, 97.6795



16.1909, 16.2411, 20.8241



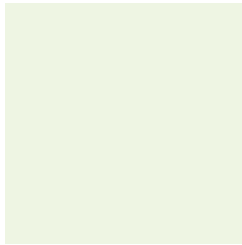
11.5830, 4.9456, 46.8821



1.1296, 0.4922, 4.1257

Previews

White Background



This preview shows how the XYZ color 81.7774, 89.0280, 85.5470 looks on a white background.

Color Contrast Check

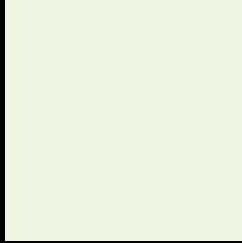
Large Text (above 18pt) WCAG AA × Fail

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 81.7774, 89.0280, 85.5470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

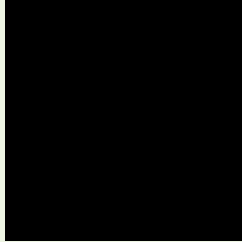
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

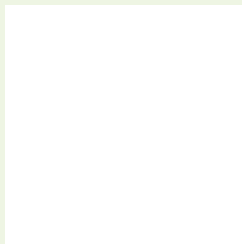
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7774, 89.0280, 85.5470

Background



This preview shows how black text looks on a background with the XYZ color 81.7774, 89.0280, 85.5470.



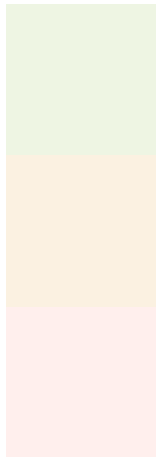
This preview shows how white text looks on a background with the XYZ color 81.7774, 89.0280,

85.5470.

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

81.7774, 89.0280, 85.5470

Protanopia

84.8296, 88.8561, 83.9141

Deuteranopia

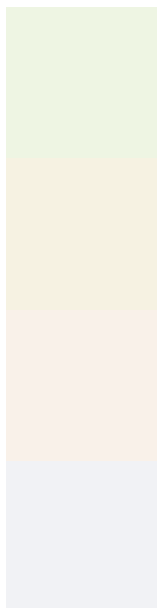
87.3926, 89.1074, 92.7141



Tritanopia

86.4674, 89.1853, 107.2649

Trichromacy



Original Color

81.7774, 89.0280, 85.5470

Protanomaly

83.4856, 88.5881, 84.6506

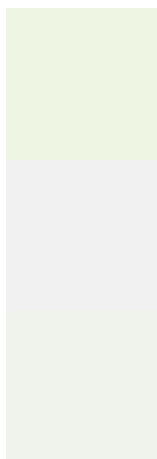
Deuteranomaly

85.2302, 88.9335, 89.7646

Tritanomaly

84.5092, 88.7976, 99.0717

Monochromacy



Original Color

81.7774, 89.0280, 85.5470

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.8276, 88.0857, 91.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7774, 89.0280, 85.5470 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(238, 245, 227) looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 227)  
}
```

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(238, 245, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 227) }
```

Border

The CSS property to change the border of an element to XYZ 81.7774, 89.0280, 85.5470 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(238, 245, 227) }
```


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

```
.border{ border-color:rgb(238, 245, 227) }
```

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

Here you see how a box with a 4 pixel rgb(238, 245, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 227);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7774, 89.0280, 85.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 227) }
```

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

```
.background{ background-color: rgb(238,  
245, 227) }
```

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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