

# Converting Colors

XYZ(79.3323, 88.0213, 81.0771)

Have a look what the booklet for  
XYZ(79.3323, 88.0213, 81.0771)  
contains.

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# Color

**XYZ(79.3078, 87.8489,  
81.1832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F5DD
RGB	233, 245, 221
RGB Percent	91%, 96%, 87%
CMY	0.0863, 0.0392, 0.1333
CMYK	0.05, 0.00, 0.10, 0.04
HSL	90°, 55%, 91%
HSV	90°, 10%, 96%
XYZ	79.3078, 87.8489, 81.1832
YIQ	238.6760, 0.5520, -10.0080

# Conversions

## Conversions Part 2

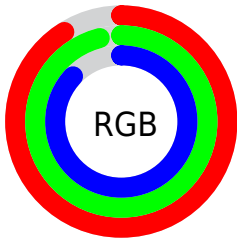
Format	Color
R <sub>Y</sub> B	221, 245, 233
Decimal	15332829
CIE Lab	95.10, -8.15, 10.19
CIE LCh	95, 13.048, 128.643
Yxy	87.8489, 0.3194, 0.3537
Android (android.graphics.Color)	4293522909 (0xFFE9F5DD)
YUV	238.6760, -8.7143, -4.9779
Hunter-Lab	93.7277, -12.9856, 14.2548

# Details

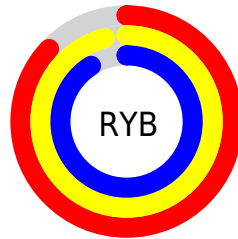
The XYZ color **79.3078, 87.8489, 81.1832** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9457, 75.6316, 96.9864**, and the grayscale version is **81.8595, 86.1226, 93.7875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2120, 48.4955, 43.1594** is the 20% darker color. If you saturate the color by 10%, you get **72.4173, 84.6493, 65.0464**, and if you desaturate by 10%, it is **86.9573, 91.3898, 99.8458**.

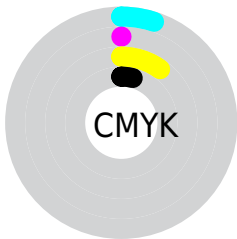
# Distribution



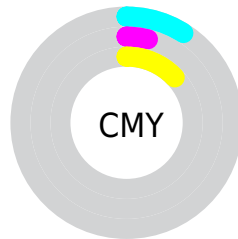
- Red (91%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (9%)
- Magenta (4%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3078, 87.8489, 81.1832 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 79.3078, 87.8489, 81.1832 by changing the saturation by 10% instead.




 79.3078, 87.8489,  
81.1832

 79.3078, 87.8489,  
81.1832


481.3691,  
521.0083, 518.7229

 59.4554, 66.1979,  
60.1606


131.3477,  
144.3468, 136.8544

 43.2276, 48.4331,  
43.1220


164.2660,  
179.9625, 172.3400

 30.2590, 34.1700,  
29.6487


202.2703,  
221.0019, 213.4838

 20.1843, 23.0242,  
19.3223

245.7259,  
267.8494, 260.7042

 12.6382, 14.6114,  
11.7242

294.9982,  
320.8894, 314.4197

 7.2551, 8.5471,  
6.4359

350.4527,

 3.6699, 4.4470,

380.5063, 375.0490

3.0389

412.4545,  
447.0844, 443.0106

■ 1.5171, 1.9266,  
1.1145

■ 0.3375, 0.5643,  
0.0000

■ 79.3078, 87.8489,  
81.1832

■ 79.3078, 87.8489,  
81.1832

■ 72.4173, 84.6493,  
65.0464

■ 86.9573, 91.3898,  
99.8458

■ 66.2525, 81.7687,  
51.3212

■ 91.9442, 93.7883,  
107.8647

■ 60.7880, 79.1989,  
39.8930

■ 55.9938, 76.9274,  
30.6360

■ 51.8378, 74.9404,  
23.4120

■ 48.2842, 73.2231,  
18.0669

■ 45.2930, 71.7586,  
14.4247

■ 42.8176, 70.5275,  
12.2760

■ 40.7858, 69.5000,  
11.2795

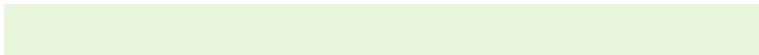
# Harmonies

## Analogous

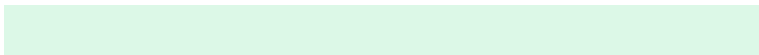
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4763, 87.8489, 77.5999



79.3078, 87.8489, 81.1832



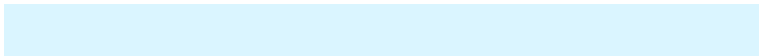
77.3012, 87.8489, 88.7090

# Triad

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



79.3078, 87.8489, 81.1832



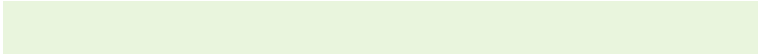
81.0367, 87.8489, 115.0363



90.4288, 87.8489, 92.7452

# Complementary

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



79.3078, 87.8489, 81.1832



75.9457, 75.6316, 96.9864

# Split Complementary

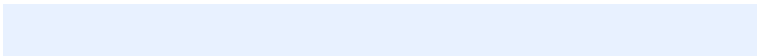
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0169, 87.8489, 102.9492



79.3078, 87.8489, 81.1832



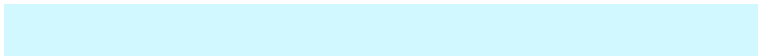
84.5276, 87.8489, 116.3080

# Square

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



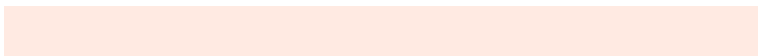
79.3078, 87.8489, 81.1832



78.2795, 87.8489, 108.3853



87.8327, 87.8489, 111.7464



88.9429, 87.8489, 83.9582

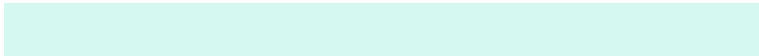


# Rectangle

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



79.3078, 87.8489, 81.1832



76.8586, 87.8489, 95.1902



87.8327, 87.8489, 111.7464



90.5086, 87.8489, 96.1163

# Sweetspot

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



79.3102, 87.8527, 81.1851



92.4490, 98.7986, 102.4766



79.8496, 82.9141, 80.2034



19.6419, 21.0795, 21.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

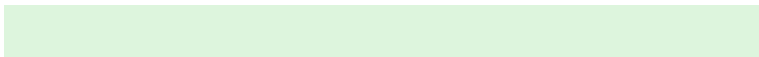
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3102, 87.8527, 81.1851



85.1011, 95.3958, 84.7337



75.5249, 85.9013, 81.0080



17.0715, 18.8789, 17.5418



22.1102, 37.5110, 6.0750



2.0618, 3.3579, 0.5395



# Inverse Universe

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



75.9457, 75.6316, 96.9864



80.6478, 79.2200, 105.6481



79.9975, 77.7203, 97.1760



16.3708, 16.3338, 20.8325



13.4028, 5.8837, 46.9673

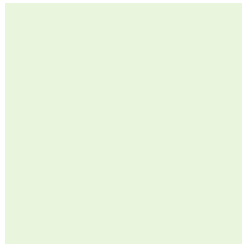


1.2965, 0.5782, 4.1335



# Previews

## White Background



This preview shows how the XYZ color 79.3078, 87.8489, 81.1832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

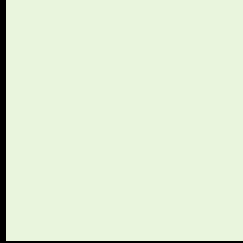
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3078, 87.8489, 81.1832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

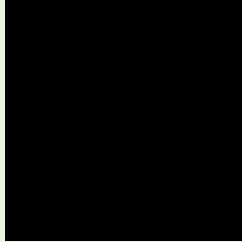
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

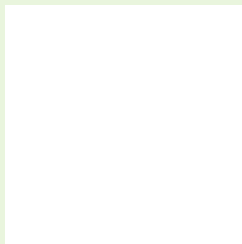
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.3078, 87.8489, 81.1832

## Background



This preview shows how black text looks on a background with the XYZ color 79.3078, 87.8489, 81.1832.



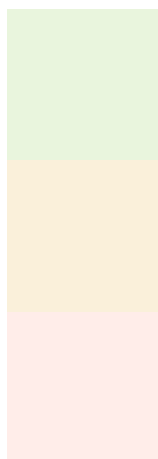
This preview shows how white text looks on a background with the XYZ color 79.3078, 87.8489,

81.1832.

# 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

79.3078, 87.8489, 81.1832

### Protanopia

83.2393, 87.7061, 78.8715

### Deuteranopia

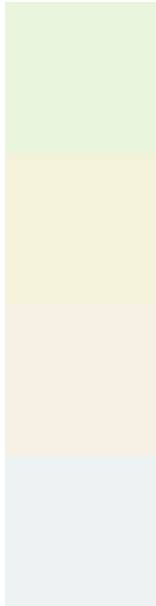
86.2322, 87.7116, 89.4759



## Tritanopia

84.8067, 87.8909, 107.1026

# Trichromacy



## Original Color

79.3078, 87.8489, 81.1832

## Protanomaly

81.8465, 87.8518, 79.6612

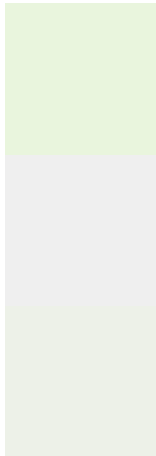
## Deuteranomaly

83.6607, 87.7515, 86.6571

## Tritanomaly

82.8548, 87.9799, 97.4089

# Monochromacy



## Original Color

79.3078, 87.8489, 81.1832

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.9458, 86.7413, 88.8204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3078, 87.8489, 81.1832 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(233, 245, 221) looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 221)  
}
```

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(233, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3078, 87.8489, 81.1832 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(233, 245, 221) }
```



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

```
.border{ border-color:rgb(233, 245, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3078, 87.8489, 81.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 221) }
```

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

```
.background{ background-color: rgb(233,  
245, 221) }
```

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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