

# Converting Colors

XYZ(77.9634, 86.9272, 87.3740)

Have a look what the booklet for  
XYZ(77.9634, 86.9272, 87.3740)  
contains.

<b>XYZ(77.9867, 87.0255, 87.5502)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.9867, 87.0255,  
87.5502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F5E6
RGB	225, 245, 230
RGB Percent	88%, 96%, 90%
CMY	0.1176, 0.0392, 0.0980
CMYK	0.08, 0.00, 0.06, 0.04
HSL	135°, 50%, 92%
HSV	135°, 8%, 96%
XYZ	77.9867, 87.0255, 87.5502
YIQ	237.3100, -7.1050, -8.9050

# Conversions

## Conversions Part 2

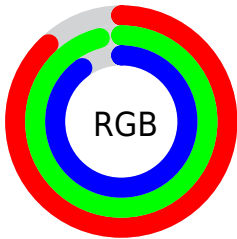
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 241, 245
Decimal	14808550
CIE Lab	94.75, -9.28, 4.97
CIE LCh	95, 10.522, 151.824
Yxy	87.0255, 0.3088, 0.3446
Android (android.graphics.Color)	4292998630 (0xFFE1F5E6)
YUV	237.3100, -3.6038, -10.7959
Hunter-Lab	93.2875, -14.0301, 9.6576

# Details

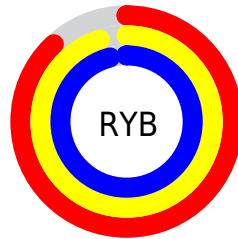
The XYZ color **77.9867, 87.0255, 87.5502** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3128, 79.5564, 93.5653**, and the grayscale version is **80.7680, 84.9742, 92.5369**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5130, 48.0364, 47.5887** is the 20% darker color. If you saturate the color by 10%, you get **68.4440, 82.3912, 74.3356**, and if you desaturate by 10%, it is **88.9023, 92.3411, 102.2529**.

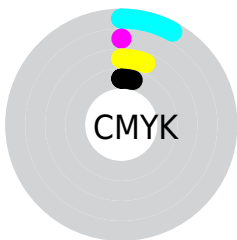
# Distribution



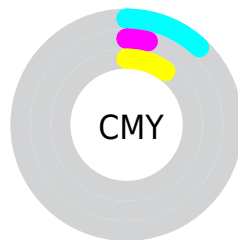
- Red (88%)
- Green (96%)
- Blue (90%)



- Red (88%)
- Yellow (95%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9867, 87.0255, 87.5502 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 77.9867, 87.0255, 87.5502 by changing the saturation by 10% instead.



77.9867, 87.0255,  
87.5502

77.9867, 87.0255,  
87.5502

476.9622,  
518.3067, 540.3922

58.3658, 65.5163,  
65.3884

129.4968,  
143.1997, 145.8364

42.3472, 47.8799,  
47.3227

162.1168,  
178.6335, 182.7979

29.5656, 33.7318,  
32.9347

199.8005,  
219.4776, 225.5297

19.6555, 22.6876,  
21.8057

242.9132,  
266.1164, 274.4503

12.2517, 14.3630,  
13.5173

291.8204,  
318.9343, 329.9784

6.9887, 8.3736,  
7.6508

346.8874,

3.5013, 4.3349,

378.3157, 392.5323

3.7878

408.4795,  
444.6450, 462.5308

■ 1.4241, 1.8626,  
1.5097

■ 0.2733, 0.5258,  
0.2251

■ 77.9867, 87.0255,  
87.5502

■ 77.9867, 87.0255,  
87.5502

■ 68.4440, 82.3912,  
74.3356

■ 88.9023, 92.3411,  
102.2529

■ 60.2121, 78.3997,  
62.5569

■ 91.9440, 93.7881,  
107.8647

■ 53.2349, 75.0255,  
52.1674

■ 47.4492, 72.2372,  
43.1155

■ 42.7864, 70.0006,  
35.3465

■ 39.1704, 68.2776,  
28.8020

■ 36.5155, 67.0253,  
23.4189

■ 34.7216, 66.1937,  
19.1282

■ 33.6533, 65.7143,  
15.8530

# Harmonies

## Analogous

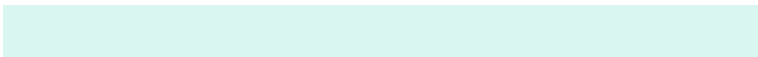
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8643, 87.0255, 82.0596



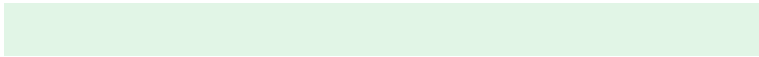
77.9867, 87.0255, 87.5502



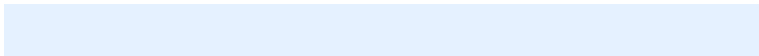
77.3678, 87.0255, 95.2555

# Triad

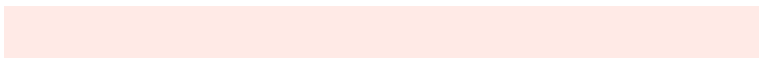
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9867, 87.0255, 87.5502



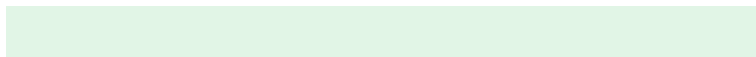
82.8893, 87.0255, 111.2909



87.4501, 87.0255, 86.7335

# Complementary

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



77.9867, 87.0255, 87.5502



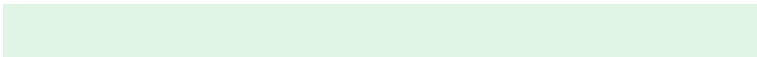
80.3128, 79.5564, 93.5653

# 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.



88.3033, 87.0255, 94.2582



77.9867, 87.0255, 87.5502



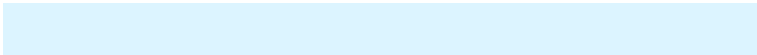
85.6330, 87.0255, 108.6987

# Square

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



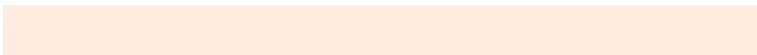
77.9867, 87.0255, 87.5502



80.1592, 87.0255, 109.2460



87.6309, 87.0255, 102.3467

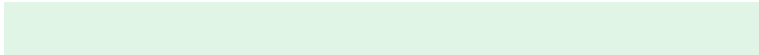


85.3248, 87.0255, 81.6074



# Rectangle

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



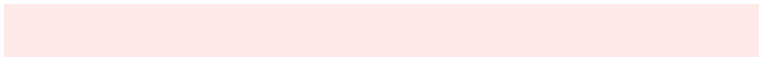
77.9867, 87.0255, 87.5502



77.7407, 87.0255, 100.6995



87.6309, 87.0255, 102.3467



87.8974, 87.0255, 89.0510

# Sweetspot

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



77.9891, 87.0292, 87.5521



92.5887, 98.8016, 105.6020



82.2949, 89.3289, 84.1402



19.8436, 21.1602, 22.6378



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.



77.9891, 87.0292, 87.5521



83.3549, 94.3092, 93.0711



79.3853, 87.5877, 94.9042



16.4521, 18.5400, 18.3991



18.0942, 35.3825, 8.5157



1.6299, 3.1256, 0.9567



# Inverse Universe

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



80.3128, 79.5564, 93.5653



86.4385, 84.3920, 101.0506



78.9140, 78.9969, 86.1993



17.0263, 16.6934, 19.8849



24.9918, 12.3402, 25.7292

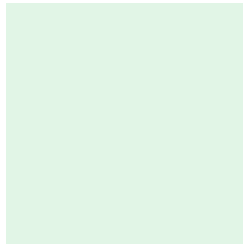


2.2374, 1.1009, 2.4765



# Previews

## White Background



This preview shows how the XYZ color 77.9867, 87.0255, 87.5502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

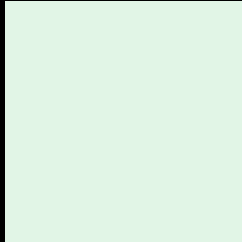
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9867, 87.0255, 87.5502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

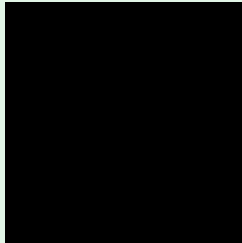
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

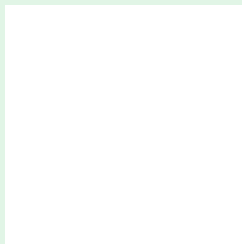
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.9867, 87.0255, 87.5502**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9867, 87.0255, 87.5502.



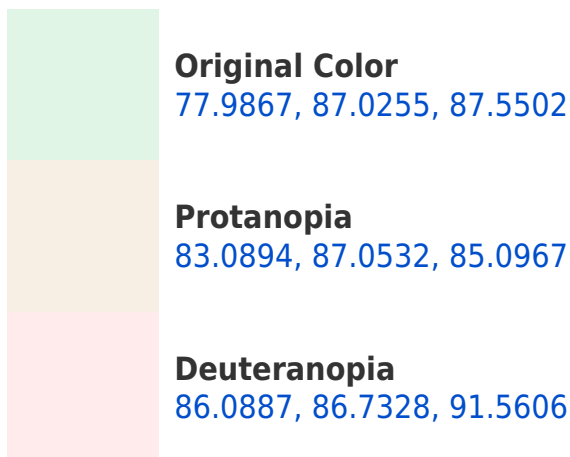
This preview shows how white text looks on a background with the XYZ color 77.9867, 87.0255,

87.5502.

# 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

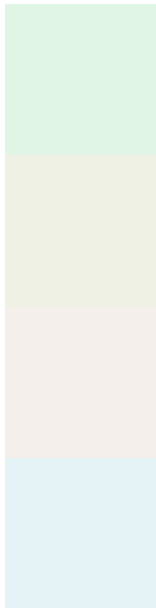




## Tritanopia

82.4888, 86.6960, 106.9941

# Trichromacy



## Original Color

77.9867, 87.0255, 87.5502

## Protanomaly

81.0555, 86.8628, 85.8929

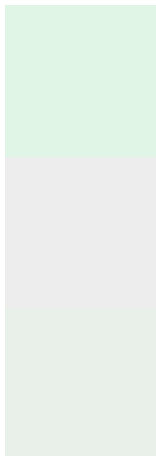
## Deuteranomaly

83.0260, 86.9066, 90.2406

## Tritanomaly

80.6998, 86.8161, 99.6926

# Monochromacy



## Original Color

77.9867, 87.0255, 87.5502

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.6156, 85.5843, 90.1651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9867, 87.0255, 87.5502 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, 245, 230)` looks like.

```
.text, #text, p{  
    color:rgb(225, 245, 230)  
}
```

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, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 245, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9867, 87.0255, 87.5502 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, 245, 230) }
```



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

```
.border{ border-color:rgb(225, 245, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 245, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(225, 245,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9867, 87.0255, 87.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 245, 230) }
```

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

```
.background{ background-color: rgb(225,  
245, 230) }
```

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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