

# Converting Colors

XYZ(78.2767, 86.3310, 82.3150)

Have a look what the booklet for  
XYZ(78.2767, 86.3310, 82.3150)  
contains.

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# Color

**XYZ(78.3249, 86.4178,  
82.3642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F3DF
RGB	231, 243, 223
RGB Percent	91%, 95%, 87%
CMY	0.0941, 0.0470, 0.1255
CMYK	0.05, 0.00, 0.08, 0.05
HSL	96°, 45%, 91%
HSV	96°, 8%, 95%
XYZ	78.3249, 86.4178, 82.3642
YIQ	237.1320, -0.7320, -8.7640

# Conversions

## Conversions Part 2

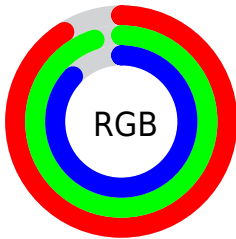
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 243, 235
Decimal	15201247
CIE Lab	94.49, -7.49, 8.27
CIE LCh	94, 11.155, 132.151
Yxy	86.4178, 0.3170, 0.3497
Android (android.graphics.Color)	4293391327 (0xFFE7F3DF)
YUV	237.1320, -6.9671, -5.3778
Hunter-Lab	92.9612, -12.2860, 12.5415

# Details

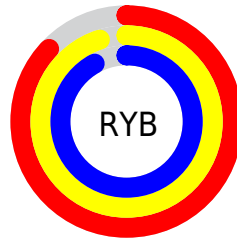
The XYZ color **78.3249, 86.4178, 82.3642** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8296, 76.9109, 95.5944**, and the grayscale version is **80.6524, 84.8526, 92.4044**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5174, 47.4818, 43.9698** is the 20% darker color. If you saturate the color by 10%, you get **70.7692, 82.8770, 66.1181**, and if you desaturate by 10%, it is **86.7478, 90.3563, 101.1090**.

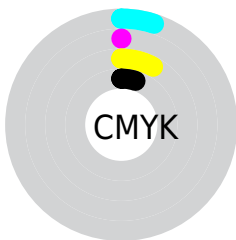
# Distribution



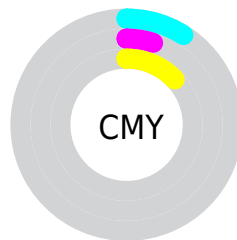
- Red (91%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3249, 86.4178, 82.3642 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 78.3249, 86.4178, 82.3642 by changing the saturation by 10% instead.



78.3249, 86.4178,  
82.3642

78.3249, 86.4178,  
82.3642

478.0925,  
516.3078, 522.7805

58.6446, 65.0135,  
61.1282

129.9710,  
142.3524, 138.5259

42.5724, 47.4720,  
43.8974

162.6675,  
177.6515, 174.2887

29.7428, 33.4090,  
30.2533

200.4334,  
218.3509, 215.7308

19.7905, 22.4399,  
19.7772

243.6342,  
264.8352, 263.2708

12.3503, 14.1805,  
12.0507

292.6351,  
317.4886, 317.3272

7.0566, 8.2463,  
6.6553

347.8016,

3.5442, 4.2530,

376.6956, 378.3186

3.1723

409.4989,  
442.8405, 446.6635

■ 1.4476, 1.8161,  
1.1833

■ 0.2898, 0.4971,  
0.0000

■ 78.3249, 86.4178,  
82.3642

■ 78.3249, 86.4178,  
82.3642

■ 70.7692, 82.8770,  
66.1181

■ 86.7478, 90.3563,  
101.1090

■ 64.0442, 79.7099,  
52.2596

■ 91.3423, 92.5845,  
107.6641

■ 58.1210, 76.9066,  
40.6776

■ 52.9662, 74.4525,  
31.2501

■ 48.5437, 72.3320,  
23.8435

■ 44.8143, 70.5281,  
18.3093

■ 41.7341, 69.0218,  
14.4788

■ 39.2529, 67.7916,  
12.1527

■ 37.3046, 66.8095,  
11.0528

# Harmonies

## Analogous

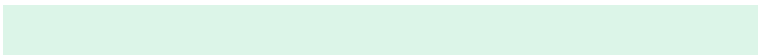
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9287, 86.4178, 78.8428



78.3249, 86.4178, 82.3642



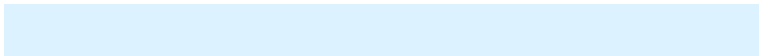
76.7654, 86.4178, 89.1183

# Triad

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



78.3249, 86.4178, 82.3642



80.3812, 86.4178, 110.7211



87.9099, 86.4178, 90.6578

# Complementary

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



78.3249, 86.4178, 82.3642



76.8296, 76.9109, 95.5944

# 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.



87.7546, 86.4178, 99.2521



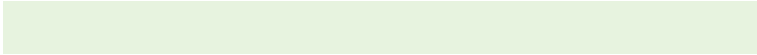
78.3249, 86.4178, 82.3642



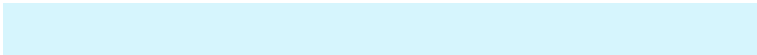
83.3584, 86.4178, 111.1958

# Square

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



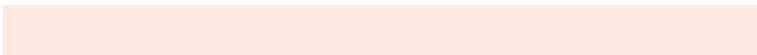
78.3249, 86.4178, 82.3642



77.9325, 86.4178, 105.6284



86.0719, 86.4178, 106.8884



86.4911, 86.4178, 83.4320



# Rectangle

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



78.3249, 86.4178, 82.3642



76.5040, 86.4178, 94.7161



86.0719, 86.4178, 106.8884



88.0410, 86.4178, 93.4753

# Sweetspot

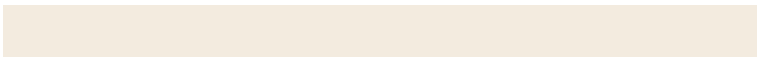
The Sweet Spot groups the original color and five complimentary colors.



78.3273, 86.4215, 82.3661



93.1226, 99.1000, 104.5804



79.9931, 83.8025, 81.7728



19.9523, 21.2209, 22.4297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

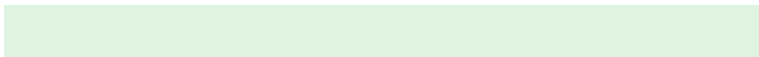
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3273, 86.4215, 82.3661



85.8054, 95.6775, 88.4405



76.0752, 85.2292, 83.6770



16.9094, 18.7953, 17.5342



20.4488, 36.6545, 5.9973



1.9099, 3.2796, 0.5324



# Inverse Universe

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



76.8296, 76.9109, 95.5944



83.7951, 82.9127, 106.1950



79.2302, 78.1832, 94.1382



16.5351, 16.4185, 20.8402



15.5238, 6.9771, 47.0666

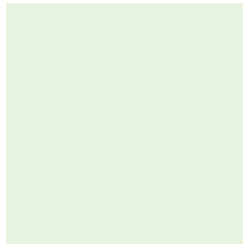


1.4802, 0.6729, 4.1421



# Previews

## White Background



This preview shows how the XYZ color 78.3249, 86.4178, 82.3642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

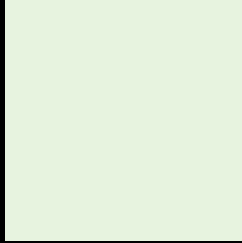
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3249, 86.4178, 82.3642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

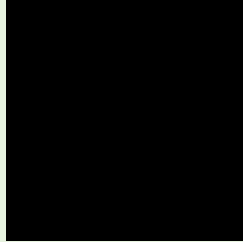
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

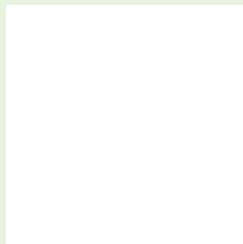
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.3249, 86.4178, 82.3642**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3249, 86.4178, 82.3642.



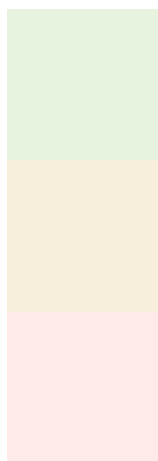
This preview shows how white text looks on a background with the XYZ color 78.3249, 86.4178,

82.3642.

# 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

78.3249, 86.4178, 82.3642

### Protanopia

82.2042, 86.2728, 80.0298

### Deuteranopia

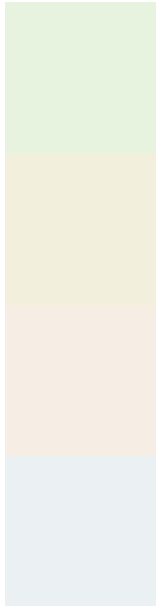
85.2283, 85.9318, 88.4384



## Tritanopia

83.5496, 86.3736, 106.8760

# Trichromacy



## Original Color

78.3249, 86.4178, 82.3642

## Protanomaly

80.8292, 86.4179, 80.8268

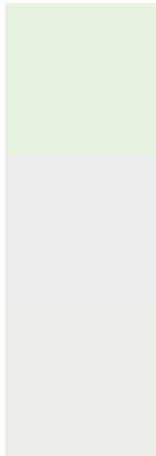
## Deuteranomaly

82.4331, 85.8183, 86.3486

## Tritanomaly

81.5987, 86.4534, 97.1805

# Monochromacy



## Original Color

78.3249, 86.4178, 82.3642

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.6929, 85.2214, 88.5930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3249, 86.4178, 82.3642 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(231, 243, 223) looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 223)  
}
```

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(231, 243, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3249, 86.4178, 82.3642 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(231, 243, 223) }
```



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

```
.border{ border-color:rgb(231, 243, 223) }
```

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

Here you see how a box with a 4 pixel rgb(231, 243, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 223);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3249, 86.4178, 82.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 223) }
```

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

```
.background{ background-color: rgb(231,  
243, 223) }
```

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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