

# Converting Colors

XYZ(79.8640, 87.1614, 90.1931)

Have a look what the booklet for  
XYZ(79.8640, 87.1614, 90.1931)  
contains.

<b>XYZ(79.8569, 87.0306, 90.4316)</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(79.8569, 87.0306,  
90.4316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F3EA
RGB	231, 243, 234
RGB Percent	91%, 95%, 92%
CMY	0.0941, 0.0470, 0.0823
CMYK	0.05, 0.00, 0.04, 0.05
HSL	135°, 33%, 93%
HSV	135°, 5%, 95%
XYZ	79.8569, 87.0306, 90.4316
YIQ	238.3860, -4.2630, -5.3430

# Conversions

## Conversions Part 2

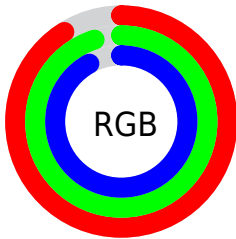
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 241, 243
Decimal	15201258
CIE Lab	94.75, -5.57, 2.95
CIE LCh	95, 6.307, 152.073
Yxy	87.0306, 0.3103, 0.3382
Android (android.graphics.Color)	4293391338 (0xFFE7F3EA)
YUV	238.3860, -2.1623, -6.4775
Hunter-Lab	93.2902, -10.4609, 7.8299

# Details

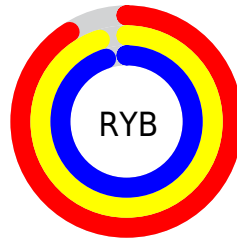
The XYZ color **79.8569, 87.0306, 90.4316** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2694, 82.5001, 94.0831**, and the grayscale version is **81.5878, 85.8367, 93.4762**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4854, 47.8690, 49.0672** is the 20% darker color. If you saturate the color by 10%, you get **70.0665, 82.2731, 77.0004**, and if you desaturate by 10%, it is **90.8993, 92.4073, 105.3314**.

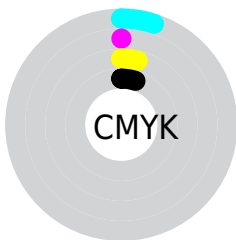
# Distribution



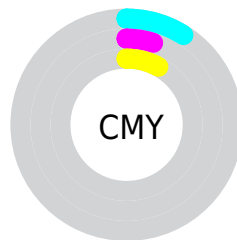
- Red (91%)
- Green (95%)
- Blue (92%)



- Red (91%)
- Yellow (95%)
- Blue (95%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8569, 87.0306, 90.4316 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 79.8569, 87.0306, 90.4316 by changing the saturation by 10% instead.



79.8569, 87.0306,  
90.4316

79.8569, 87.0306,  
90.4316

483.1943,  
518.3234, 550.0401

59.9087, 65.5205,  
67.7629

132.1161,  
143.2068, 149.8785

43.5942, 47.8833,  
49.2394

165.1578,  
178.6417, 187.4938

30.5481, 33.7345,  
34.4425

203.2947,  
219.4870, 230.9285

20.4052, 22.6897,  
22.9536

246.8921,  
266.1271, 280.6010

12.7999, 14.3645,  
14.3543

296.3154,  
318.9464, 336.9298

7.3669, 8.3746,  
8.2259

351.9300,

3.7410, 4.3356,

378.3293, 400.3336

4.1500

414.1012,  
444.6602, 471.2309

■ 1.5567, 1.8630,  
1.7080

■ 0.3639, 0.5260,  
0.3662

■ 79.8569, 87.0306,  
90.4316

■ 79.8569, 87.0306,  
90.4316

■ 70.0665, 82.2731,  
77.0004

■ 90.8993, 92.4073,  
105.3314

■ 61.5793, 78.1548,  
64.9925

■ 91.3422, 92.5845,  
107.6641

■ 54.3416, 74.6514,  
54.3628

■ 48.2930, 71.7328,  
45.0616

■ 43.3682, 69.3665,  
37.0365

■ 39.4952, 67.5165,  
30.2315

■ 36.5934, 66.1425,  
24.5861

■ 34.5699, 65.1980,  
20.0349

■ 33.3122, 64.6265,  
16.5056

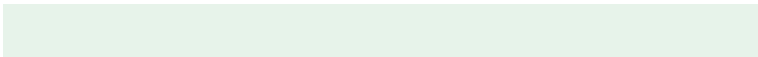
# Harmonies

## Analogous

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



80.9913, 87.0306, 87.0257



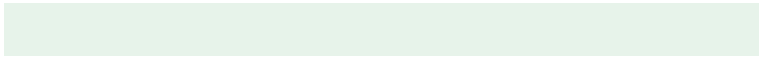
79.8569, 87.0306, 90.4316



79.4866, 87.0306, 95.1015

# Triad

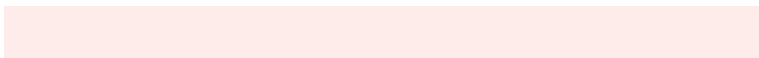
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8569, 87.0306, 90.4316



82.8386, 87.0306, 104.4581



85.5294, 87.0306, 89.8626

# Complementary

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



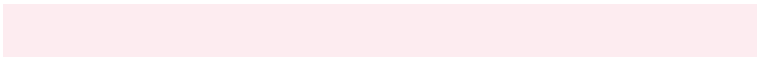
79.8569, 87.0306, 90.4316



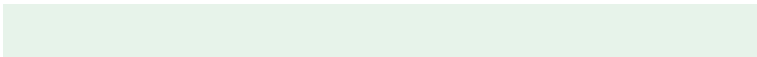
81.2694, 82.5001, 94.0831

# 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.



86.0398, 87.0306, 94.4223



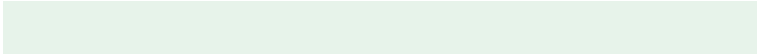
79.8569, 87.0306, 90.4316



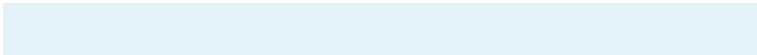
84.4731, 87.0306, 102.9428

# Square

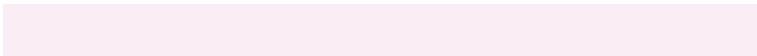
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



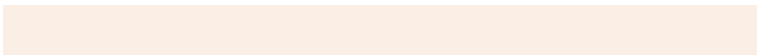
79.8569, 87.0306, 90.4316



81.1939, 87.0306, 103.3021



85.6507, 87.0306, 99.2275

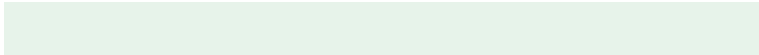


84.2650, 87.0306, 86.7052



# Rectangle

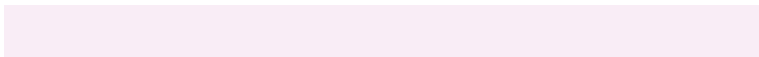
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



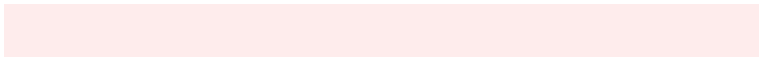
79.8569, 87.0306, 90.4316



79.7187, 87.0306, 98.3340



85.6507, 87.0306, 99.2275



85.7956, 87.0306, 91.2767

# Sweetspot

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



79.8593, 87.0343, 90.4335



93.8116, 99.3970, 107.2426



82.4810, 88.4352, 88.3251



20.0926, 21.2814, 22.9718



0.0000, 0.0000, 0.0000

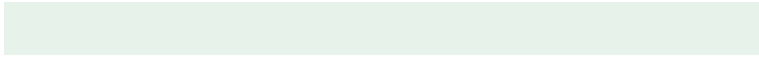


20.3446, 21.4041, 23.3091



# Same Dimension

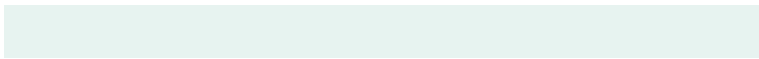
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8593, 87.0343, 90.4335



87.8503, 96.4956, 99.2047



80.7069, 87.3734, 94.8969



17.0772, 18.8440, 19.2521



18.0940, 35.3825, 8.5150



1.6298, 3.1256, 0.9567



# Inverse Universe

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



81.2694, 82.5001, 94.0831



89.7522, 90.3798, 104.1271



80.4209, 82.1606, 89.6147



17.4871, 17.5260, 20.3129



24.9923, 12.3404, 25.7315

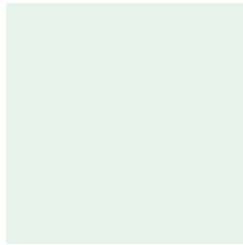


2.2374, 1.1009, 2.4767



# Previews

## White Background



This preview shows how the XYZ color 79.8569, 87.0306, 90.4316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

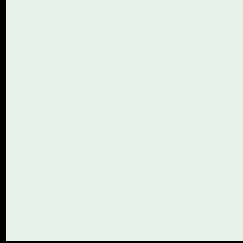
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8569, 87.0306, 90.4316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

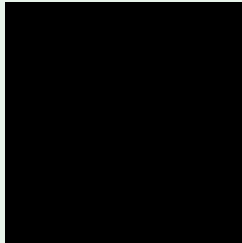
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

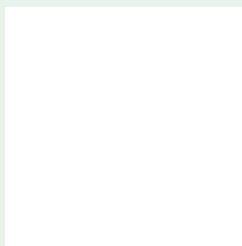
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.8569, 87.0306, 90.4316**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8569, 87.0306, 90.4316.



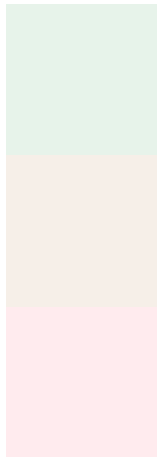
This preview shows how white text looks on a background with the XYZ color 79.8569, 87.0306,

90.4316.

# 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

79.8569, 87.0306, 90.4316

### Protanopia

83.4380, 87.1520, 88.7683

### Deuteranopia

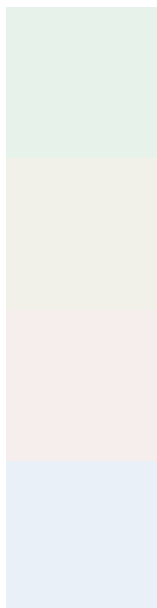
86.3809, 86.8497, 93.0998



## Tritanopia

83.5086, 86.7859, 106.9577

# Trichromacy



## Original Color

79.8569, 87.0306, 90.4316

## Protanomaly

82.1437, 86.9041, 89.5355

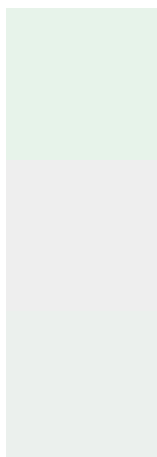
## Deuteranomaly

83.8666, 86.8563, 92.4655

## Tritanomaly

81.8803, 86.5280, 100.3817

# Monochromacy



## Original Color

79.8569, 87.0306, 90.4316

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.7071, 86.0968, 92.4854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8569, 87.0306, 90.4316 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8569, 87.0306, 90.4316 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, 234) }
```



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

```
.border{ border-color:rgb(231, 243, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8569, 87.0306, 90.4316 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, 234) }
```

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

```
.background{ background-color: rgb(231,  
243, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor