

# Converting Colors

XYZ(79.8256, 86.7454, 87.5005)

Have a look what the booklet for  
XYZ(79.8256, 86.7454, 87.5005)  
contains.

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# **Color**

**XYZ(79.6393, 86.5411,  
87.3696)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E9F2E6                     |
| RGB         | 233, 242, 230              |
| RGB Percent | 91%, 95%, 90%              |
| CMY         | 0.0863, 0.0510, 0.0980     |
| CMYK        | 0.04, 0.00, 0.05, 0.05     |
| HSL         | 105°, 32%, 93%             |
| HSV         | 105°, 5%, 95%              |
| XYZ         | 79.6393, 86.5411, 87.3696  |
| YIQ         | 237.9410, -1.5120, -5.6400 |

# Conversions

## Conversions Part 2

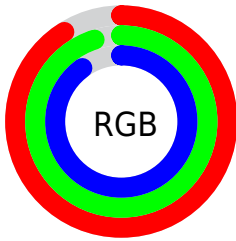
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 230, 242, 239                 |
| Decimal                             | 15332070                      |
| CIE Lab                             | 94.54, -5.10, 4.74            |
| CIE LCh                             | 95, 6.967, 137.113            |
| Yxy                                 | 86.5411, 0.3141,<br>0.3413    |
| Android<br>(android.graphics.Color) | 4293522150<br>(0xFFE9F2E6)    |
| YUV                                 | 237.9410, -3.9149,<br>-4.3333 |
| Hunter-Lab                          | 93.0275, -9.9871,<br>9.4352   |

# Details

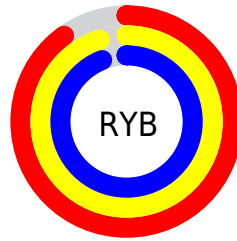
The XYZ color **79.6393, 86.5411, 87.3696** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9239, 81.3576, 95.5001**, and the grayscale version is **81.2547, 85.4862, 93.0945**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4282, 47.5601, 47.4485** is the 20% darker color. If you saturate the color by 10%, you get **70.8499, 82.3783, 70.4324**, and if you desaturate by 10%, it is **89.5151, 91.2144, 106.8241**.

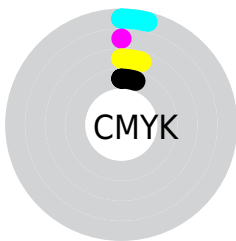
# Distribution



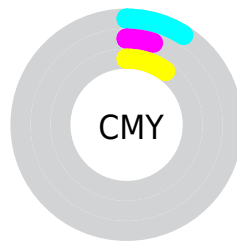
- Red (91%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (94%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6393, 86.5411, 87.3696 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 79.6393, 86.5411, 87.3696 by changing the saturation by 10% instead.



79.6393, 86.5411,  
87.3696

79.6393, 86.5411,  
87.3696

482.4715,  
516.7137, 539.7843

59.7290, 65.1155,  
65.2397

131.8117,  
142.5243, 145.5826

43.4489, 47.5547,  
47.2029

164.8045,  
177.8508, 182.5028

30.4335, 33.4744,  
32.8406

202.8889,  
218.5796, 225.1902

20.3176, 22.4901,  
21.7343

246.4301,  
265.0953, 274.0634

12.7357, 14.2175,  
13.4653

295.7937,  
317.7821, 329.5409

7.3225, 8.2721,  
7.6153

351.3449,

3.7127, 4.2695,

377.0245, 392.0411

3.7655

413.4490,  
443.2069, 461.9828

■ 1.5409, 1.8255,  
1.4976

■ 0.3534, 0.5030,  
0.2162

■ 79.6393, 86.5411,  
87.3696

■ 79.6393, 86.5411,  
87.3696

■ 70.8499, 82.3783,  
70.4324

■ 89.5151, 91.2144,  
106.8241

■ 63.1021, 78.6977,  
55.9042

■ 91.0438, 91.9877,  
107.5646

■ 56.3583, 75.4848,  
43.6773

■ 50.5760, 72.7202,  
33.6334

■ 45.7096, 70.3833,  
25.6439

■ 41.7093, 68.4514,  
19.5665

■ 38.5205, 66.9000,  
15.2410

■ 36.0814, 65.7012,  
12.4810

■ 34.3198, 64.8227,  
11.0574

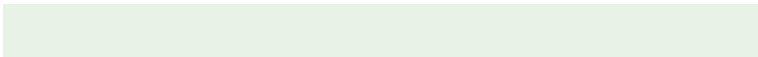
# Harmonies

## Analogous

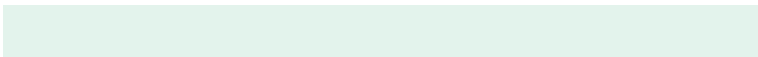
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1976, 86.5411, 84.6937



79.6393, 86.5411, 87.3696



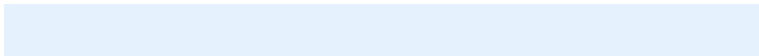
78.7874, 86.5411, 91.9426

# Triad

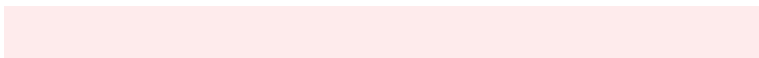
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6393, 86.5411, 87.3696



81.4526, 86.5411, 104.6648



85.7515, 86.5411, 91.2205

# Complementary

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



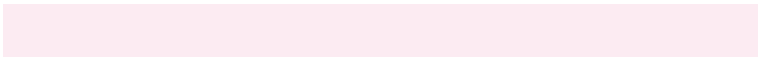
79.6393, 86.5411, 87.3696



79.9239, 81.3576, 95.5001

# 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.



85.8223, 86.5411, 96.5521



79.6393, 86.5411, 87.3696



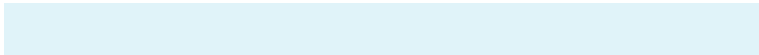
83.3210, 86.5411, 104.4535

# Square

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



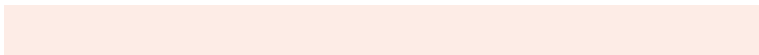
79.6393, 86.5411, 87.3696



79.8235, 86.5411, 102.0043



84.9268, 86.5411, 101.4374



84.7348, 86.5411, 86.8583



# Rectangle

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



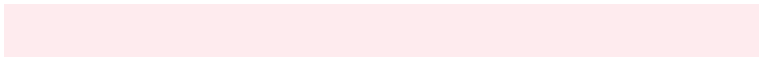
79.6393, 86.5411, 87.3696



78.7261, 86.5411, 95.5138



84.9268, 86.5411, 101.4374



85.8873, 86.5411, 92.9548

# Sweetspot

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



79.6417, 86.5448, 87.3715



93.9419, 99.4759, 106.7193



81.7710, 86.3273, 87.2173



20.1191, 21.2975, 22.8653



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

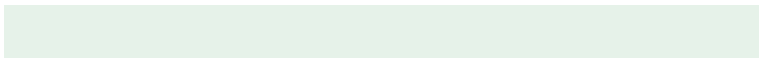
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6417, 86.5448, 87.3715



88.5866, 96.9413, 96.2471



79.0959, 86.2143, 89.5651



16.4750, 18.1025, 17.7980



18.1787, 34.6930, 5.7383



1.6004, 2.9316, 0.4815



# Inverse Universe

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



79.9239, 81.3576, 95.5001



88.9693, 89.9058, 107.2721



80.4979, 81.7052, 93.1930



16.5537, 16.6564, 20.0641



19.0454, 8.8236, 45.8272

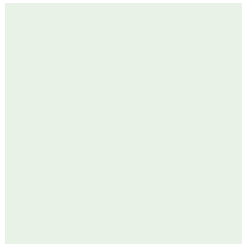


1.6745, 0.7805, 3.8166



# Previews

## White Background



This preview shows how the XYZ color 79.6393, 86.5411, 87.3696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

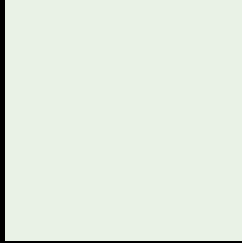
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6393, 86.5411, 87.3696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

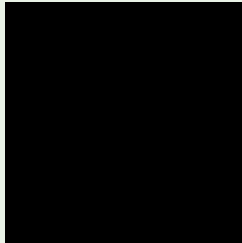
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

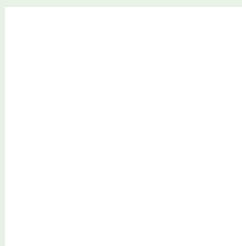
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.6393, 86.5411, 87.3696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.6393, 86.5411, 87.3696.



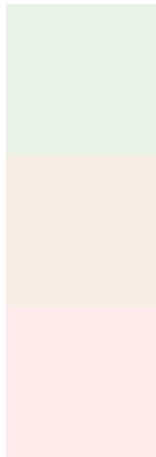
This preview shows how white text looks on a background with the XYZ color 79.6393, 86.5411,

87.3696.

# 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

79.6393, 86.5411, 87.3696

### Protanopia

82.5842, 86.3433, 85.7121

### Deuteranopia

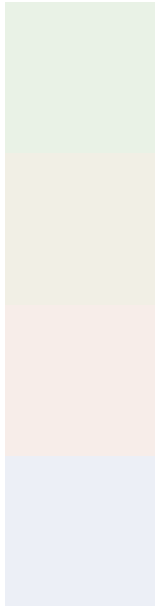
85.6582, 86.1038, 90.7023



## Tritanopia

83.5496, 86.3736, 106.8760

# Trichromacy



## Original Color

79.6393, 86.5411, 87.3696

## Protanomaly

81.2850, 86.0909, 86.4618

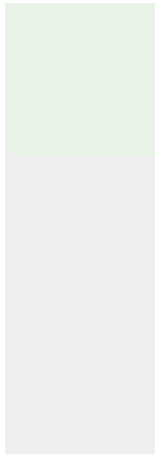
## Deuteranomaly

83.3499, 86.2257, 89.3410

## Tritanomaly

82.0931, 86.2197, 99.5041

# Monochromacy



## Original Color

79.6393, 86.5411, 87.3696

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.4540, 85.5640, 90.8724

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6393, 86.5411, 87.3696 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, 242, 230) looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 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(233, 242, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6393, 86.5411, 87.3696 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, 242, 230) }
```



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

```
.border{ border-color:rgb(233, 242, 230) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6393, 86.5411, 87.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 230) }
```

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

```
.background{ background-color: rgb(233,  
242, 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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