

# Converting Colors

XYZ(79.7197, 87.9568, 94.4221)

Have a look what the booklet for  
XYZ(79.7197, 87.9568, 94.4221)  
contains.

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# Color

**XYZ(79.5964, 87.7056,  
94.3950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2F5EF
RGB	226, 245, 239
RGB Percent	89%, 96%, 94%
CMY	0.1137, 0.0392, 0.0627
CMYK	0.08, 0.00, 0.02, 0.04
HSL	161°, 49%, 92%
HSV	161°, 8%, 96%
XYZ	79.5964, 87.7056, 94.3950
YIQ	238.6350, -9.3980, -5.8940

# Conversions

## Conversions Part 2

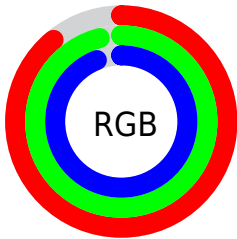
Format	Color
R <sub>Y</sub> B	226, 237, 245
Decimal	14874095
CIE Lab	95.04, -7.32, 0.74
CIE LCh	95, 7.354, 174.234
Yxy	87.7056, 0.3042, 0.3351
Android (android.graphics.Color)	4293064175 (0xFFE2F5EF)
YUV	238.6350, 0.1799, -11.0809
Hunter-Lab	93.6513, -12.1784, 5.7950

# Details

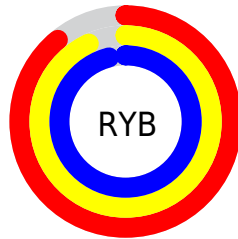
The XYZ color **79.5964, 87.7056, 94.3950** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.4212, 79.6336, 87.5330**, and the grayscale version is **81.7663, 86.0245, 93.6807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5394, 48.4720, 51.8610** is the 20% darker color. If you saturate the color by 10%, you get **71.3372, 83.5796, 88.1675**, and if you desaturate by 10%, it is **89.0074, 92.4246, 100.9357**.

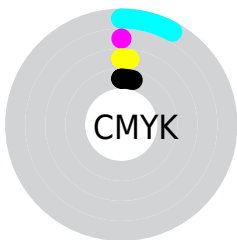
# Distribution



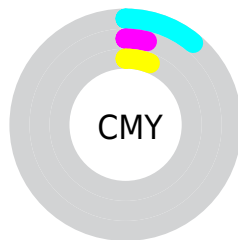
- Red (89%)
- Green (96%)
- Blue (94%)



- Red (89%)
- Yellow (93%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5964, 87.7056, 94.3950 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 79.5964, 87.7056, 94.3950 by changing the saturation by 10% instead.



79.5964, 87.7056,  
94.3950

79.5964, 87.7056,  
94.3950

482.3289,  
520.5387, 563.1611

59.6936, 66.0793,  
71.0374

131.7516,  
144.1472, 155.4169

43.4202, 48.3368,  
51.8907

164.7348,  
179.7313, 193.9183

30.4109, 34.0937,  
36.5363

202.8088,  
220.7368, 238.3047

20.3003, 22.9656,  
24.5557

246.3390,  
267.5480, 288.9947

12.7231, 14.5681,  
15.5304

295.6908,  
320.5494, 346.4068

7.3138, 8.5168,  
9.0417

351.2295,

3.7072, 4.4274,

380.1254, 410.9595

4.6712

413.3204,  
446.6604, 483.0715

■ 1.5379, 1.9154,  
2.0003

■ 0.3514, 0.5576,  
0.5555

■ 79.5964, 87.7056,  
94.3950

■ 79.5964, 87.7056,  
94.3950

■ 71.3372, 83.5796,  
88.1675

■ 89.0074, 92.4246,  
100.9357

■ 64.1753, 80.0112,  
82.2420

■ 91.8609, 93.7549,  
107.4266

■ 58.0631, 76.9785,  
76.6150

■ 91.9441, 93.7882,  
107.8647

■ 52.9462, 74.4534,  
71.2806

■ 48.7654, 72.4055,  
66.2326

■ 45.4549, 70.8010,  
61.4647

■ 42.9401, 69.6014,  
56.9697

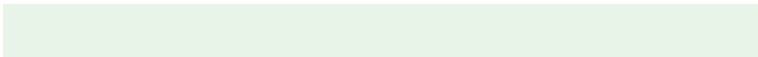
■ 41.1330, 68.7616,  
52.7401

■ 39.9161, 68.2209,  
48.7666

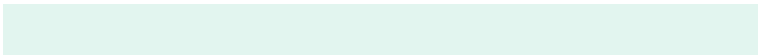
# Harmonies

## Analogous

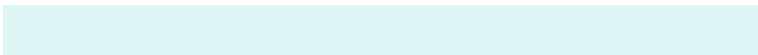
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2822, 87.7056, 89.2074



79.5964, 87.7056, 94.3950



79.9063, 87.7056, 100.0853

# Triad

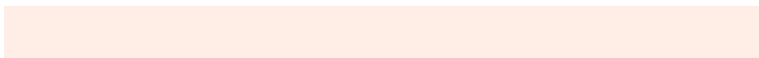
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.5964, 87.7056, 94.3950



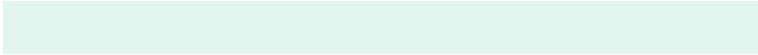
84.9488, 87.7056, 105.8877



85.6278, 87.7056, 86.8422

# Complementary

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



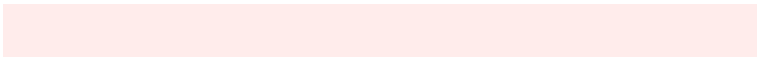
79.5964, 87.7056, 94.3950



79.4212, 79.6336, 87.5330

# 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.



86.9150, 87.7056, 91.0501



79.5964, 87.7056, 94.3950



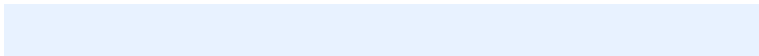
86.5186, 87.7056, 102.0744

# Square

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



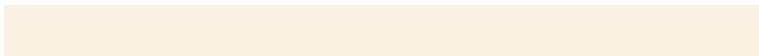
79.5964, 87.7056, 94.3950



82.9760, 87.7056, 106.8699



87.2436, 87.7056, 96.6065



83.7482, 87.7056, 84.9600

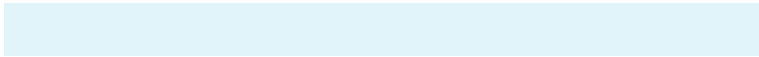


# Rectangle

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



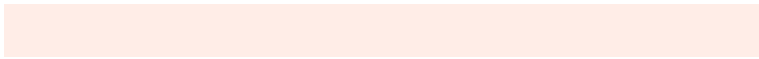
79.5964, 87.7056, 94.3950



80.6384, 87.7056, 103.3812



87.2436, 87.7056, 96.6065



86.1453, 87.7056, 88.0232

# Sweetspot

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



79.5989, 87.7093, 94.3969



92.9401, 98.9422, 107.4528



79.6669, 87.9584, 84.7315



19.9151, 21.1888, 23.0146



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

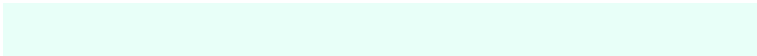


# Same Dimension

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



79.5989, 87.7093, 94.3969



85.9594, 95.4459, 102.4956



79.4567, 85.9817, 98.7990



16.7609, 18.6635, 20.0251



21.4435, 36.7222, 26.1528

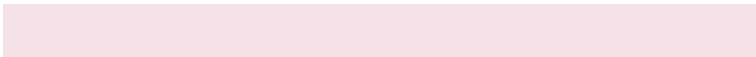


1.9311, 3.2461, 2.5430



# Inverse Universe

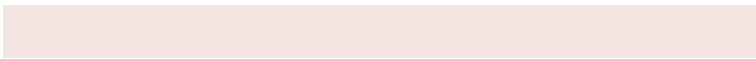
The Inverse Universe completely reimagines the original color for something new.



79.4212, 79.6336, 87.5330



85.7351, 85.2512, 93.8308



79.5397, 81.2124, 83.4360



16.7148, 16.5688, 18.2448



21.0707, 10.7717, 5.0805

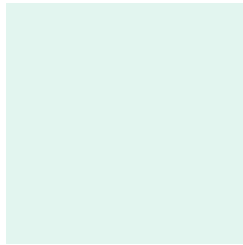


1.8965, 0.9646, 0.6815



# Previews

## White Background



This preview shows how the XYZ color 79.5964, 87.7056, 94.3950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

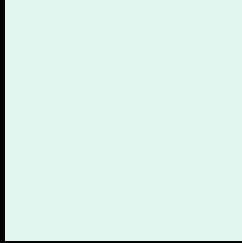
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5964, 87.7056, 94.3950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

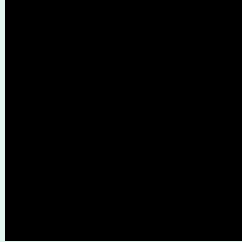
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

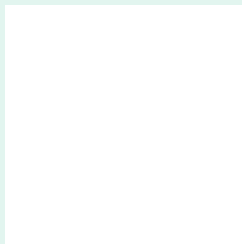
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.5964, 87.7056, 94.3950

## Background



This preview shows how black text looks on a background with the XYZ color 79.5964, 87.7056, 94.3950.



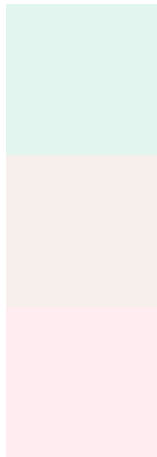
This preview shows how white text looks on a background with the XYZ color 79.5964, 87.7056,

94.3950.

# 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

79.5964, 87.7056, 94.3950

### Protanopia

84.0129, 87.3820, 91.7953

### Deuteranopia

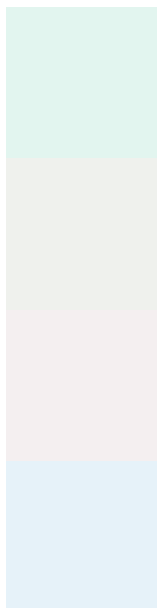
87.1126, 87.6018, 95.5366



## Tritanopia

83.1096, 87.4542, 107.1078

# Trichromacy



## Original Color

79.5964, 87.7056, 94.3950

## Protanomaly

82.3380, 87.3757, 92.6463

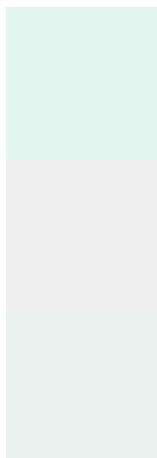
## Deuteranomaly

83.9029, 87.2574, 94.8583

## Tritanomaly

81.4841, 87.1668, 102.1527

# Monochromacy



## Original Color

79.5964, 87.7056, 94.3950

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.9670, 86.6350, 94.1162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5964, 87.7056, 94.3950 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(226, 245, 239)` looks like.

```
.text, #text, p{  
    color:rgb(226, 245, 239)  
}
```

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(226, 245, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 245, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5964, 87.7056, 94.3950 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(226, 245, 239) }
```



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

```
.border{ border-color:rgb(226, 245, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 245, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 245, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 245, 239);  
box-shadow:4px 4px 4px 4px rgb(226, 245,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5964, 87.7056, 94.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 245, 239) }
```

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

```
.background{ background-color: rgb(226,  
245, 239) }
```

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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