

# Converting Colors

XYZ(74.8909, 79.7662, 86.6929)

Have a look what the booklet for  
XYZ(74.8909, 79.7662, 86.6929)  
contains.

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# Color

**XYZ(74.9590, 79.8136,  
87.0561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E8E7
RGB	227, 232, 231
RGB Percent	89%, 91%, 91%
CMY	0.1098, 0.0902, 0.0941
CMYK	0.02, 0.00, 0.00, 0.09
HSL	168°, 10%, 90%
HSV	168°, 2%, 91%
XYZ	74.9590, 79.8136, 87.0561
YIQ	230.3910, -2.6590, -1.3710

# Conversions

## Conversions Part 2

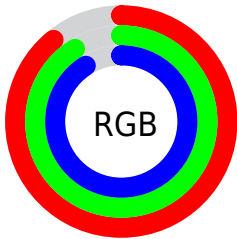
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 230, 232
Decimal	14936295
CIE Lab	91.60, -1.84, -0.11
CIE LCh	92, 1.848, 183.369
Yxy	79.8136, 0.3100, 0.3300
Android (android.graphics.Color)	4293126375 (0xFFE3E8E7)
YUV	230.3910, 0.3002, -2.9739
Hunter-Lab	89.3385, -6.5727, 4.7616

# Details

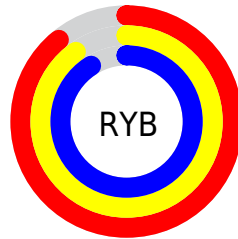
The XYZ color **74.9590, 79.8136, 87.0561** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7544, 77.6976, 84.4599**, and the grayscale version is **75.5045, 79.4367, 86.5065**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2765, 42.9165, 46.7184** is the 20% darker color. If you saturate the color by 10%, you get **67.4807, 76.0356, 83.3216**, and if you desaturate by 10%, it is **83.4453, 84.1137, 90.9323**.

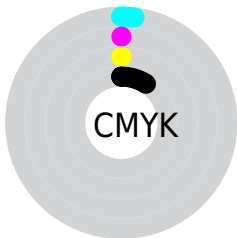
# Distribution



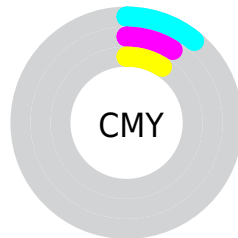
- Red (89%)
- Green (91%)
- Blue (91%)



- Red (89%)
- Yellow (90%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9590, 79.8136, 87.0561 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 74.9590, 79.8136, 87.0561 by changing the saturation by 10% instead.



■ 74.9590, 79.8136,  
87.0561

■ 74.9590, 79.8136,  
87.0561

466.7760,  
494.3044, 538.7282

■ 55.8734, 59.5650,  
64.9817

125.2425,  
133.1036, 145.1419

■ 40.3380, 43.0681,  
46.9950

157.1712,  
166.9138, 181.9904

■ 27.9876, 29.9385,  
32.6774

194.1115,  
206.0133, 224.6007

■ 18.4567, 19.7919,  
21.6103

236.4288,  
250.7866, 273.3914

■ 11.3800, 12.2439,  
13.3753

284.4886,  
301.6179, 328.7809

■ 6.3922, 6.9100,  
7.5537

338.6562,

■ 3.1279, 3.4059,

358.8917, 391.1879

3.7271

399.2968,  
422.9924, 461.0308

■ 1.2218, 1.3471,  
1.4769

■ 0.1235, 0.1773,  
0.2006

■ 74.9590, 79.8136,  
87.0561

■ 74.9590, 79.8136,  
87.0561

■ 67.4807, 76.0356,  
83.3216

■ 83.4453, 84.1137,  
90.9323

■ 60.9645, 72.7493,  
79.7210


■ 85.8723, 85.2859,  
94.6153


■ 55.3705, 69.9365,  
76.2535


■ 86.5740, 85.5666,  
98.3101


■ 50.6539, 67.5739,  
72.9161


■ 87.2935, 85.8544,  
102.0990


 46.7657, 65.6365,  
69.7059


 88.0310, 86.1494,  
105.9828

 43.6523, 64.0966,  
66.6197

 88.1481, 86.1962,  
106.5994

 41.2536, 62.9232,  
63.6538

 39.5003, 62.0806,  
60.8044

 38.3092, 61.5259,  
58.0667

# Harmonies

## Analogous

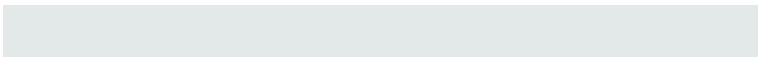
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0529, 79.8136, 85.7448



74.9590, 79.8136, 87.0561



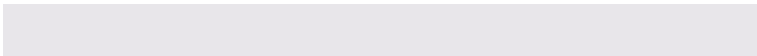
75.1058, 79.8136, 88.3394

# Triad

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



74.9590, 79.8136, 87.0561



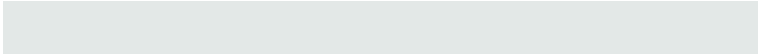
76.3602, 79.8136, 89.0899



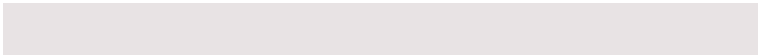
76.2675, 79.8136, 84.6031

# Complementary

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



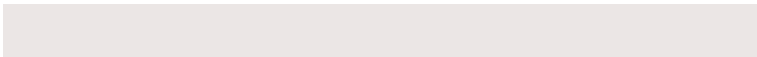
74.9590, 79.8136, 87.0561



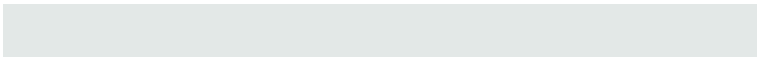
74.7544, 77.6976, 84.4599

# Split Complementary

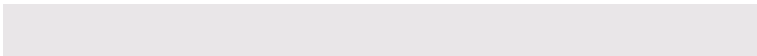
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6201, 79.8136, 85.4832



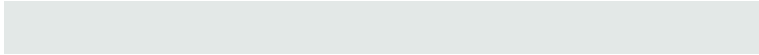
74.9590, 79.8136, 87.0561



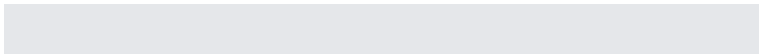
76.6737, 79.8136, 88.0725

# Square

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



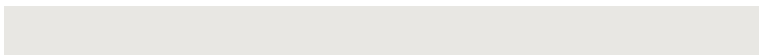
74.9590, 79.8136, 87.0561



75.9137, 79.8136, 89.5212



76.7691, 79.8136, 86.7510

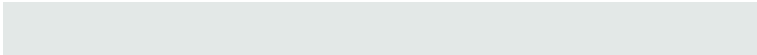


75.8072, 79.8136, 84.3372

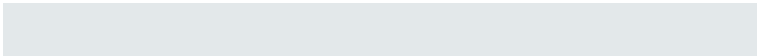


# Rectangle

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



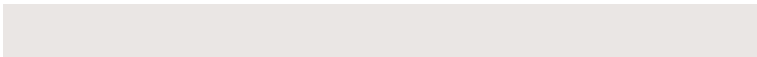
74.9590, 79.8136, 87.0561



75.3208, 79.8136, 89.0037



76.7691, 79.8136, 86.7510



76.4026, 79.8136, 84.8364

# Sweetspot

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



74.9613, 79.8170, 87.0578



94.0358, 99.4867, 108.4232



74.7457, 79.7704, 84.1321



20.1382, 21.2997, 23.2121



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.



74.9613, 79.8170, 87.0578



92.0452, 98.4794, 107.4748



74.7060, 79.0790, 87.6742



15.5801, 16.7408, 18.2788



20.9548, 34.0140, 31.3259



1.5801, 2.5261, 2.4811



# Inverse Universe

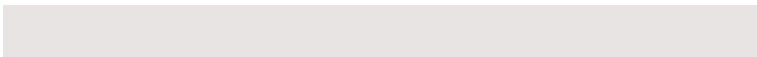
The Inverse Universe completely reimagines the original color for something new.



74.7544, 77.6976, 84.4599



91.6888, 94.8282, 102.9993



75.0048, 78.4207, 83.8579



15.5043, 15.9638, 17.3264



18.7905, 9.6504, 2.5260

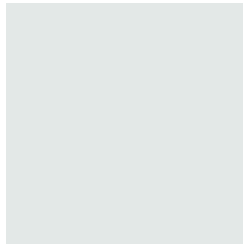


1.4213, 0.7262, 0.3590



# Previews

## White Background



This preview shows how the XYZ color 74.9590, 79.8136, 87.0561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

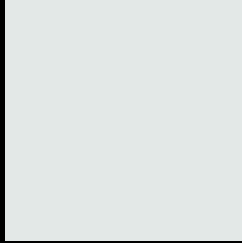
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9590, 79.8136, 87.0561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

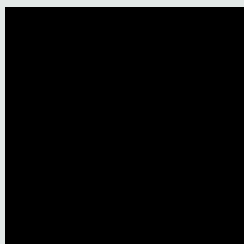
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

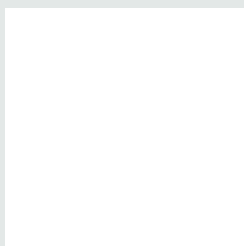
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9590, 79.8136, 87.0561

## Background



This preview shows how black text looks on a background with the XYZ color 74.9590, 79.8136, 87.0561.



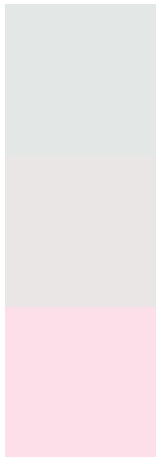
This preview shows how white text looks on a background with the XYZ color 74.9590, 79.8136,

87.0561.

# 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

74.9590, 79.8136, 87.0561

### Protanopia

76.8407, 79.9690, 86.2485

### Deuteranopia

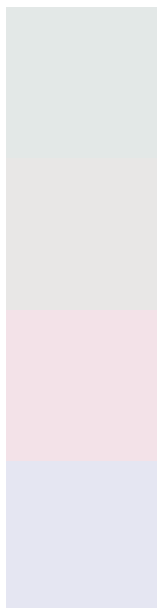
81.2405, 79.3540, 88.1258



## Tritanopia

77.5957, 79.6389, 100.0891

# Trichromacy



## Original Color

74.9590, 79.8136, 87.0561

## Protanomaly

76.1376, 80.0208, 86.2956

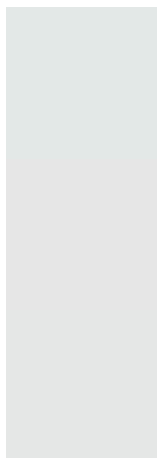
## Deuteranomaly

78.7240, 79.2736, 87.4961

## Tritanomaly

76.6369, 79.6624, 95.3416

# Monochromacy



## Original Color

74.9590, 79.8136, 87.0561

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.1719, 79.5230, 86.2504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9590, 79.8136, 87.0561 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(227, 232, 231) looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 231)  
}
```

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(227, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9590, 79.8136, 87.0561 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(227, 232, 231) }
```



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

```
.border{ border-color:rgb(227, 232, 231) }
```

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

Here you see how a box with a 4 pixel rgb(227, 232, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9590, 79.8136, 87.0561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 231) }
```

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

```
.background{ background-color: rgb(227,  
232, 231) }
```

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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