

# Converting Colors

XYZ(75.0672, 79.9362, 85.7304)

Have a look what the booklet for  
XYZ(75.0672, 79.9362, 85.7304)  
contains.

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# Color

**XYZ(74.9944, 79.8643,  
85.5915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E8E5
RGB	228, 232, 229
RGB Percent	89%, 91%, 90%
CMY	0.1059, 0.0902, 0.1020
CMYK	0.02, 0.00, 0.01, 0.09
HSL	135°, 8%, 90%
HSV	135°, 2%, 91%
XYZ	74.9944, 79.8643, 85.5915
YIQ	230.4620, -1.4210, -1.7810

# Conversions

## Conversions Part 2

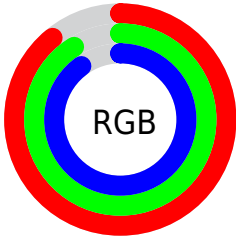
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 231, 232
Decimal	15001829
CIE Lab	91.62, -1.87, 0.98
CIE LCh	92, 2.110, 152.399
Yxy	79.8643, 0.3119, 0.3321
Android (android.graphics.Color)	4293191909 (0xFFE4E8E5)
YUV	230.4620, -0.7208, -2.1592
Hunter-Lab	89.3668, -6.5992, 5.7715

# Details

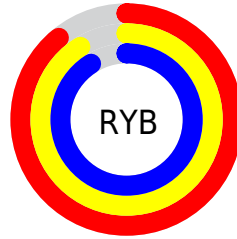
The XYZ color **74.9944, 79.8643, 85.5915** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4489, 78.4143, 86.7641**, and the grayscale version is **75.5639, 79.4991, 86.5745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3989, 42.9909, 46.2132** is the 20% darker color. If you saturate the color by 10%, you get **65.8129, 75.4002, 73.1055**, and if you desaturate by 10%, it is **85.4118, 84.9419, 99.4107**.

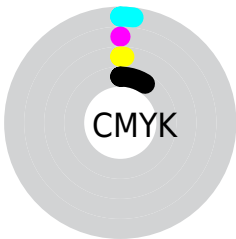
# Distribution



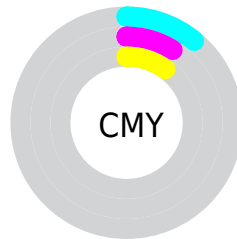
- Red (89%)
- Green (91%)
- Blue (90%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9944, 79.8643, 85.5915 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 74.9944, 79.8643, 85.5915 by changing the saturation by 10% instead.



■ 74.9944, 79.8643,  
85.5915

■ 74.9944, 79.8643,  
85.5915

466.8958,  
494.4754, 533.7788

■ 55.9025, 59.6067,  
63.7773

125.2924,  
133.1749, 143.0808

■ 40.3614, 43.1017,  
46.0253

157.2291,  
166.9967, 179.5929

■ 28.0059, 29.9649,  
31.9170

194.1782,  
206.1087, 221.8415

■ 18.4706, 19.8120,  
21.0338

236.5050,  
250.8953, 270.2449

■ 11.3901, 12.2584,  
12.9572

284.5747,  
301.7409, 325.2218

■ 6.3991, 6.9199,  
7.2687

338.7529,

■ 3.1322, 3.4121,

359.0298, 387.1908

3.5497

399.4048,  
423.1465, 456.5703

■ 1.2240, 1.3505,  
1.3817

■ 0.1252, 0.1798,  
0.1274

■ 74.9944, 79.8643,  
85.5915

■ 74.9944, 79.8643,  
85.5915

■ 65.8129, 75.4002,  
73.1055

■ 85.4118, 84.9419,  
99.4107

■ 57.8143, 71.5164,  
61.9079

■ 88.1481, 86.1962,  
106.5994

■ 50.9518, 68.1917,  
51.9593

■ 45.1729, 65.4001,  
43.2161

■ 40.4205, 63.1131,  
35.6322

■ 36.6327, 61.2998,  
29.1587

■ 33.7402, 59.9255,  
23.7430

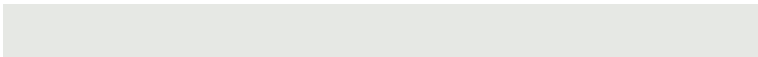
■ 31.6644, 58.9509,  
19.3283

■ 30.3117, 58.3291,  
15.8520

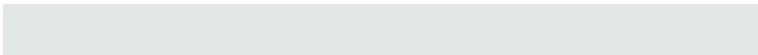
# Harmonies

## Analogous

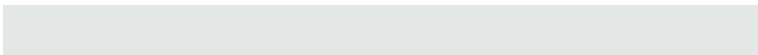
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3550, 79.8643, 84.4780



74.9944, 79.8643, 85.5915



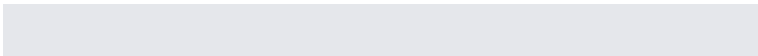
74.8784, 79.8643, 87.0829

# Triad

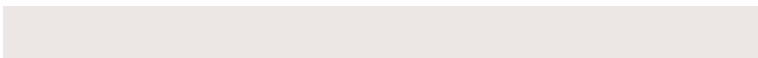
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9944, 79.8643, 85.5915



75.9520, 79.8643, 89.9563



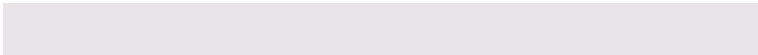
76.7865, 79.8643, 85.3789

# Complementary

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



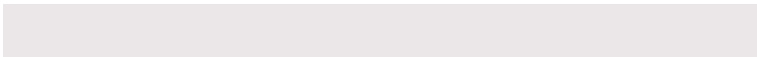
74.9944, 79.8643, 85.5915



75.4489, 78.4143, 86.7641

# Split Complementary

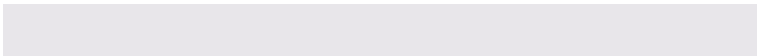
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9482, 79.8643, 86.8345



74.9944, 79.8643, 85.5915



76.4650, 79.8643, 89.4874

# Square

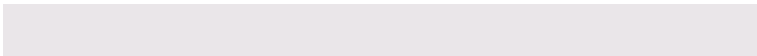
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



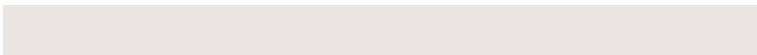
74.9944, 79.8643, 85.5915



75.4297, 79.8643, 89.6141



76.8302, 79.8643, 88.3403



76.3895, 79.8643, 84.3562

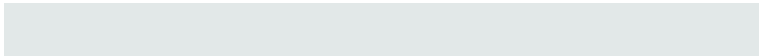


# Rectangle

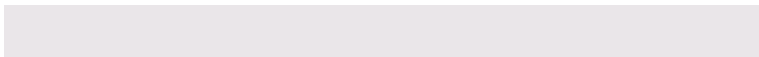
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



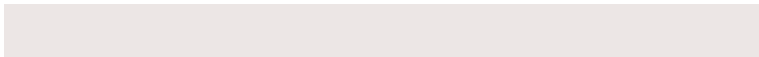
74.9944, 79.8643, 85.5915



74.9550, 79.8643, 88.0939



76.8302, 79.8643, 88.3403



76.8703, 79.8643, 85.8332

# Sweetspot

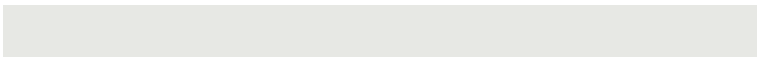
The Sweet Spot groups the original color and five complimentary colors.



74.9967, 79.8677, 85.5932



93.8115, 99.3970, 107.2423



75.8399, 80.3185, 84.9059



20.0926, 21.2814, 22.9718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

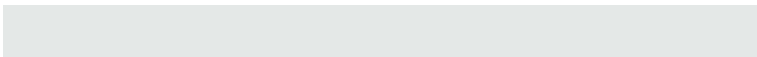
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9967, 79.8677, 85.5932



92.5885, 98.8015, 105.6012



75.2686, 79.9765, 87.0251



15.8246, 16.8721, 18.0537



16.4857, 32.2264, 7.7923

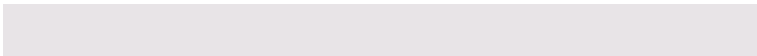


1.2548, 2.3960, 0.7683



# Inverse Universe

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



75.4489, 78.4143, 86.7641



93.2401, 96.7073, 107.2883



75.1769, 78.3055, 85.3317



15.9292, 16.5359, 18.3246



22.7723, 11.2431, 23.4934

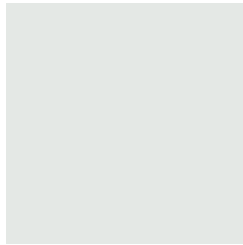


1.7193, 0.8454, 1.9285



# Previews

## White Background



This preview shows how the XYZ color 74.9944, 79.8643, 85.5915 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

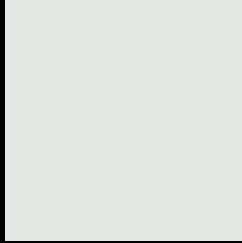
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9944, 79.8643, 85.5915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

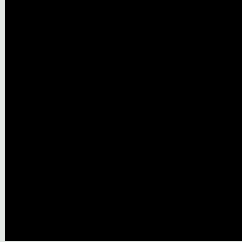
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

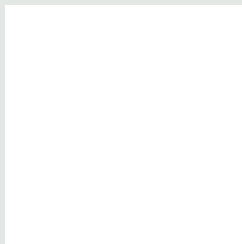
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9944, 79.8643, 85.5915**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9944, 79.8643, 85.5915.



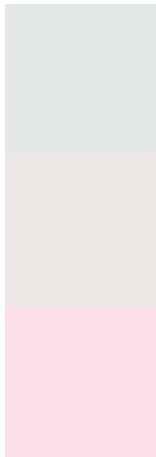
This preview shows how white text looks on a background with the XYZ color 74.9944, 79.8643,

85.5915.

# 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

74.9944, 79.8643, 85.5915

### Protanopia

76.8925, 80.0279, 84.7931

### Deuteranopia

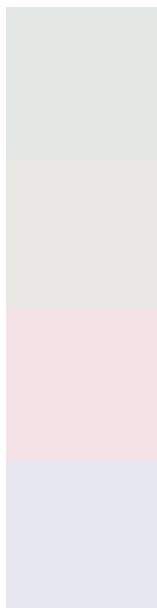
81.3195, 79.4275, 86.6464



## Tritanopia

77.7628, 79.7429, 99.2891

# Trichromacy



## Original Color

74.9944, 79.8643, 85.5915

## Protanomaly

76.1838, 80.0769, 84.8399

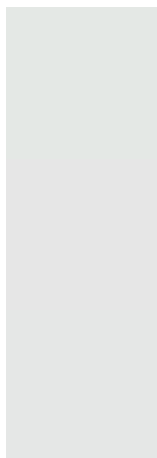
## Deuteranomaly

78.7875, 79.3390, 86.0243

## Tritanomaly

76.6581, 79.7079, 93.7829

# Monochromacy



## Original Color

74.9944, 79.8643, 85.5915

## 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 74.9944, 79.8643, 85.5915 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(228, 232, 229) looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 229)  
}
```

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(228, 232, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9944, 79.8643, 85.5915 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(228, 232, 229) }
```



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

```
.border{ border-color:rgb(228, 232, 229) }
```

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

Here you see how a box with a 4 pixel rgb(228, 232, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9944, 79.8643, 85.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 229) }
```

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

```
.background{ background-color: rgb(228,  
232, 229) }
```

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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