

# Converting Colors

XYZ(74.2682, 79.0134, 80.5598)

Have a look what the booklet for  
XYZ(74.2682, 79.0134, 80.5598)  
contains.

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# **Color**

**XYZ(74.3939, 79.2487,  
80.4828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E7DE
RGB	230, 231, 222
RGB Percent	90%, 91%, 87%
CMY	0.0980, 0.0941, 0.1294
CMYK	0.00, 0.00, 0.04, 0.09
HSL	67°, 16%, 89%
HSV	67°, 4%, 91%
XYZ	74.3939, 79.2487, 80.4828
YIQ	229.6750, 2.2930, -3.0110

# Conversions

## Conversions Part 2

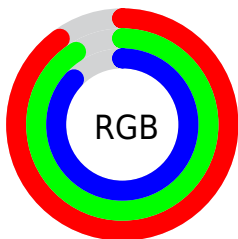
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 231, 223
Decimal	15132638
CIE Lab	91.35, -1.91, 4.25
CIE LCh	91, 4.658, 114.228
Yxy	79.2487, 0.3178, 0.3385
Android (android.graphics.Color)	4293322718 (0xFFE6E7DE)
YUV	229.6750, -3.7838, 0.2850
Hunter-Lab	89.0217, -6.6187, 8.7123

# Details

The XYZ color **74.3939, 79.2487, 80.4828** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.9794, 73.7021, 86.0902**, and the grayscale version is **75.0014, 78.9073, 85.9300**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9842, 42.5639, 42.6675** is the 20% darker color. If you saturate the color by 10%, you get **70.6879, 77.6741, 65.2396**, and if you desaturate by 10%, it is **78.5408, 81.0062, 97.9643**.

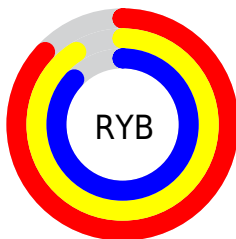
# Distribution



Red (90%)

Green (91%)

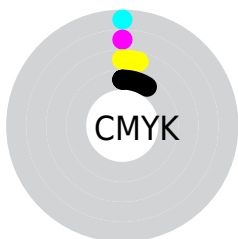
Blue (87%)



Red (87%)

Yellow (91%)

Blue (87%)

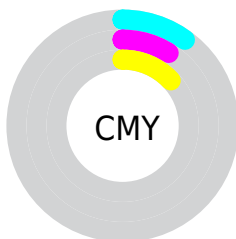


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (9%)



Cyan (10%)

Magenta (9%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3939, 79.2487, 80.4828 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 74.3939, 79.2487, 80.4828 by changing the saturation by 10% instead.



■ 74.3939, 79.2487,  
80.4828

■ 74.3939, 79.2487,  
80.4828

464.8611,  
492.3973, 516.3080

■ 55.4089, 59.1003,  
59.5872

124.4465,  
132.3089, 135.8618

■ 39.9643, 42.6939,  
42.6629

156.2449,  
165.9895, 171.1824

■ 27.6948, 29.6450,  
29.2913

193.0451,  
204.9497, 212.1483

■ 18.2350, 19.5693,  
19.0538

235.2125,  
249.5738, 259.1782

■ 11.2196, 12.0823,  
11.5320

283.1124,  
300.2462, 312.6906

■ 6.2831, 6.7998,  
6.3072

337.1103,

■ 3.0603, 3.3372,

357.3513, 373.1040

2.9610

397.5714,  
421.2735, 440.8370

■ 1.1857, 1.3102,  
1.0747

■ 0.0950, 0.1491,  
0.0000

■ 74.3939, 79.2487,  
80.4828

■ 74.3939, 79.2487,  
80.4828

■ 70.6879, 77.6741,  
65.2396

■ 78.5408, 81.0062,  
97.9643

■ 67.3990, 76.2651,  
52.1393

■ 80.9387, 82.0630,  
106.1815

■ 64.5111, 75.0180,  
41.0871

■ 81.7960, 82.5049,  
106.2217

■ 62.0043, 73.9247,  
31.9793

■ 82.6656, 82.9532,  
106.2624

■ 59.8573, 72.9767,  
24.7032

■ 83.5477, 83.4079,  
106.3036

■ 58.0463, 72.1645,  
19.1343

■ 84.4422, 83.8691,  
106.3455

■ 56.5448, 71.4774,  
15.1327

■ 85.3492, 84.3367,  
106.3880

■ 55.3219, 70.9032,  
12.5365

■ 86.2688, 84.8107,  
106.4310

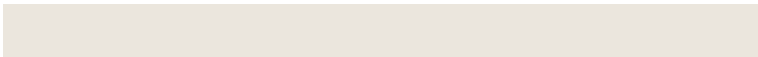
■ 54.3401, 70.4268,  
11.1486

■ 87.2010, 85.2913,  
106.4746

# Harmonies

## Analogous

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



75.5525, 79.2487, 79.9677



74.3939, 79.2487, 80.4828



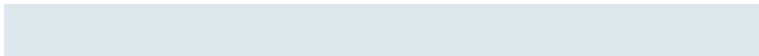
73.4930, 79.2487, 82.5359

# Triad

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



74.3939, 79.2487, 80.4828



74.0016, 79.2487, 91.6827



77.6094, 79.2487, 86.9452

# Complementary

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



74.3939, 79.2487, 80.4828



70.9794, 73.7021, 86.0902

# Split Complementary

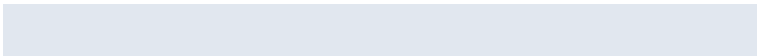
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1842, 79.2487, 90.1529



74.3939, 79.2487, 80.4828



75.0950, 79.2487, 92.9336

# Square

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



74.3939, 79.2487, 80.4828



73.2681, 79.2487, 88.9894



76.2608, 79.2487, 92.3666



77.4170, 79.2487, 83.6425



# Rectangle

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



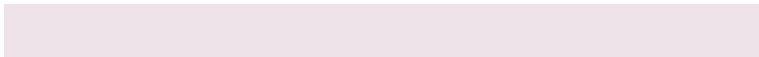
74.3939, 79.2487, 80.4828



73.1556, 79.2487, 84.5297



76.2608, 79.2487, 92.3666



77.5339, 79.2487, 88.0713

# Sweetspot

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



74.3961, 79.2521, 80.4845



94.5376, 99.7830, 106.7472



72.5033, 74.9869, 79.7610



20.2403, 21.3599, 22.8710



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.



74.3961, 79.2521, 80.4845



92.5436, 98.9372, 98.4206



73.0022, 78.5335, 80.4193



15.7390, 16.8606, 16.5746



30.2389, 39.3702, 6.0055



2.2799, 2.9327, 0.4459



# Inverse Universe

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



70.9794, 73.7021, 86.0902



87.0709, 90.0476, 107.3995



72.3524, 74.4099, 86.1545



14.6900, 15.1567, 18.2956



8.3727, 3.3822, 42.5947

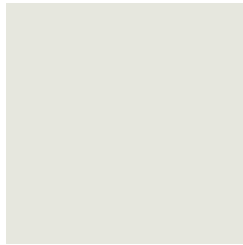


0.6687, 0.2757, 3.1499



# Previews

## White Background



This preview shows how the XYZ color 74.3939, 79.2487, 80.4828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

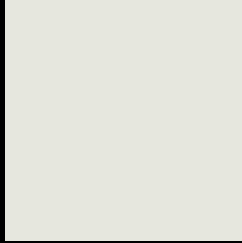
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3939, 79.2487, 80.4828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

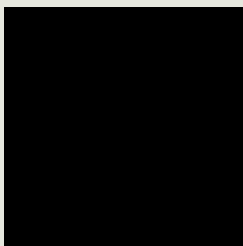
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

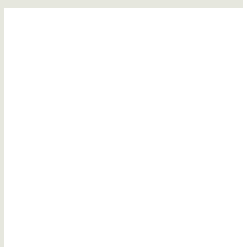
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.3939, 79.2487, 80.4828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3939, 79.2487, 80.4828.



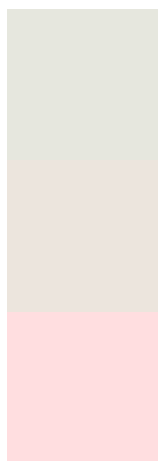
This preview shows how white text looks on a background with the XYZ color 74.3939, 79.2487,

80.4828.

# 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

74.3939, 79.2487, 80.4828

### Protanopia

75.6625, 79.0919, 79.6850

### Deuteranopia

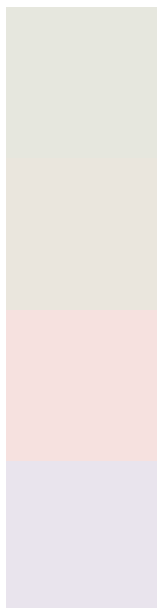
80.8158, 78.8844, 81.4878



## **Tritanopia**

77.8822, 79.0232, 97.5344

# Trichromacy



## Original Color

74.3939, 79.2487, 80.4828

## Protanomaly

75.2796, 79.3065, 79.7466

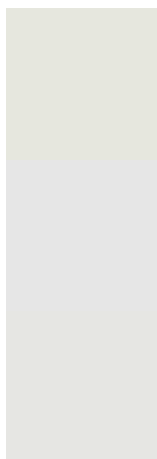
## Deuteranomaly

78.2505, 78.7710, 80.8921

## Tritanomaly

76.6337, 78.9249, 91.3158

# Monochromacy



## Original Color

74.3939, 79.2487, 80.4828

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.7951, 78.9627, 83.9722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3939, 79.2487, 80.4828 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(230, 231, 222) looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 222)  
}
```

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(230, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3939, 79.2487, 80.4828 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(230, 231, 222) }
```



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

```
.border{ border-color:rgb(230, 231, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3939, 79.2487, 80.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 222) }
```

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

```
.background{ background-color: rgb(230,  
231, 222) }
```

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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