

# Converting Colors

XYZ(75.2066, 80.4480, 89.0589)

Have a look what the booklet for  
XYZ(75.2066, 80.4480, 89.0589)  
contains.

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# Color

**XYZ(75.0415, 80.2259,  
89.3719)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1E9EA
RGB	225, 233, 234
RGB Percent	88%, 91%, 92%
CMY	0.1176, 0.0863, 0.0823
CMYK	0.04, 0.00, 0.00, 0.08
HSL	187°, 18%, 90%
HSV	187°, 4%, 92%
XYZ	75.0415, 80.2259, 89.3719
YIQ	230.7220, -5.0890, -1.3850

# Conversions

## Conversions Part 2

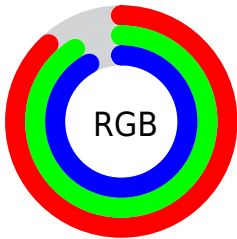
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 229, 234
Decimal	14805482
CIE Lab	91.79, -2.47, -1.42
CIE LCh	92, 2.852, 209.894
Yxy	80.2259, 0.3067, 0.3279
Android (android.graphics.Color)	4292995562 (0xFFE1E9EA)
YUV	230.7220, 1.6161, -5.0182
Hunter-Lab	89.5689, -7.1970, 3.5387

# Details

The XYZ color **75.0415, 80.2259, 89.3719** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.7187, 77.3205, 82.2215**, and the grayscale version is **75.7420, 79.6865, 86.7786**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3356, 43.2047, 48.3329** is the 20% darker color. If you saturate the color by 10%, you get **67.5135, 75.2668, 88.8127**, and if you desaturate by 10%, it is **83.5846, 85.7287, 89.9850**.

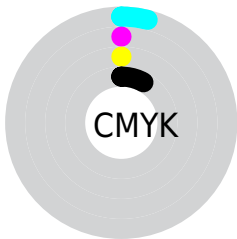
# Distribution



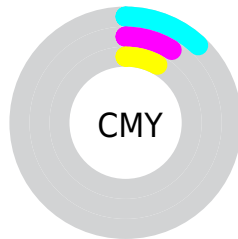
- Red (88%)
- Green (91%)
- Blue (92%)



- Red (88%)
- Yellow (90%)
- Blue (92%)



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



- Cyan (12%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0415, 80.2259, 89.3719 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 75.0415, 80.2259, 89.3719 by changing the saturation by 10% instead.



■ 75.0415, 80.2259,  
89.3719

■ 75.0415, 80.2259,  
89.3719

467.0552,  
495.6938, 546.5028

■ 55.9412, 59.9043,  
66.8890

125.3587,  
133.6833, 148.3935

■ 40.3926, 43.3415,  
48.5334

157.3063,  
167.5878, 185.7694

■ 28.0303, 30.1531,  
33.8865

194.2670,  
206.7888, 228.9466

■ 18.4891, 19.9548,  
22.5298

236.6062,  
251.6706, 278.3438

■ 11.4035, 12.3622,  
14.0447

284.6893,  
302.6176, 334.3795

■ 6.4082, 6.9909,  
8.0126

338.8816,

■ 3.1379, 3.4564,

360.0142, 397.4722

4.0151

399.5484,  
424.2448, 468.0404

■ 1.2271, 1.3744,  
1.6337

■ 0.1276, 0.1977,  
0.3147

■ 75.0415, 80.2259,  
89.3719

■ 75.0415, 80.2259,  
89.3719

■ 67.5135, 75.2668,  
88.8127

■ 83.5846, 85.7287,  
89.9850

■ 60.9533, 70.8203,  
88.3002

■ 86.7200, 88.4577,  
90.3465

■ 55.3199, 66.8674,  
87.8341

■ 87.4803, 89.9782,  
90.5999

■ 50.5669, 63.3842,  
87.4123

■ 88.2515, 91.5206,  
90.8570

46.6438, 60.3445,  
87.0323

89.0336, 93.0849,  
91.1177

43.4947, 57.7194,  
86.6916

89.8268, 94.6711,  
91.3821

41.0572, 55.4767,  
86.3872

90.6309, 96.2794,  
91.6501

39.2585, 53.5789,  
86.1157

91.4461, 97.9098,  
91.9218

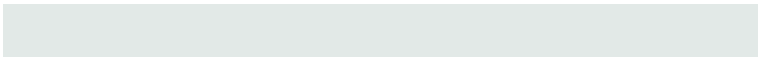
38.0105, 51.9804,  
85.8729

91.8515, 98.7206,  
92.0570

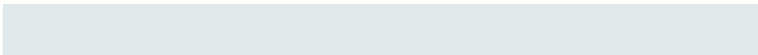
# Harmonies

## Analogous

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



74.8568, 80.2259, 87.3449



75.0415, 80.2259, 89.3719



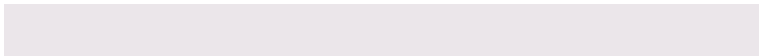
75.5502, 80.2259, 90.8775

# Triad

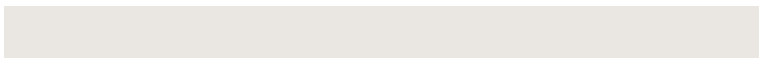
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0415, 80.2259, 89.3719



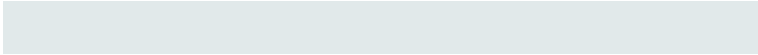
77.4735, 80.2259, 89.3850



76.2549, 80.2259, 83.3925

# Complementary

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



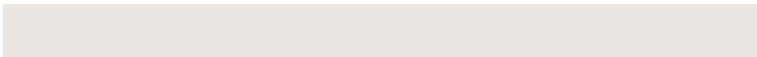
75.0415, 80.2259, 89.3719



74.7187, 77.3205, 82.2215

# Split Complementary

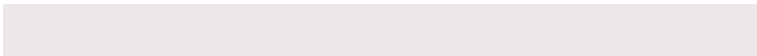
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9588, 80.2259, 83.9196



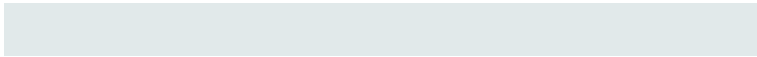
75.0415, 80.2259, 89.3719



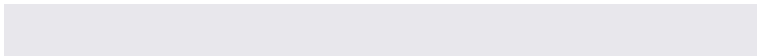
77.6650, 80.2259, 87.3598

# Square

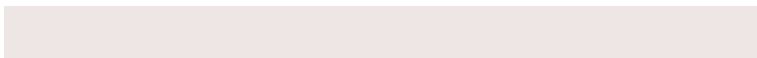
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



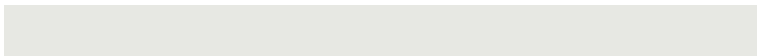
75.0415, 80.2259, 89.3719



76.9543, 80.2259, 90.8851



77.4761, 80.2259, 85.3635



75.5547, 80.2259, 83.9123

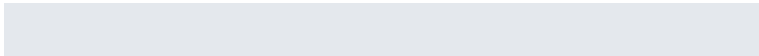


# Rectangle

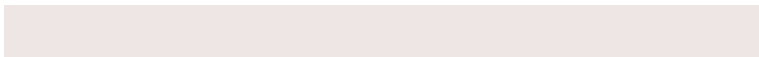
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



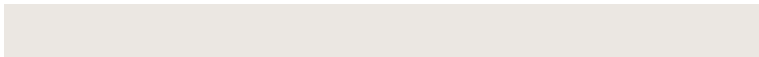
75.0415, 80.2259, 89.3719



76.0062, 80.2259, 91.3713



77.4761, 80.2259, 85.3635



76.4990, 80.2259, 83.4530

# Sweetspot

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



75.0438, 80.2293, 89.3737



94.0281, 99.3396, 108.8264



74.1890, 80.3399, 83.4777



20.1367, 21.2697, 23.2941



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

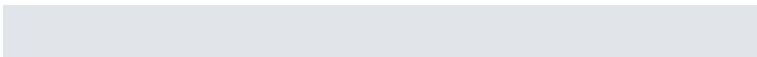
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0438, 80.2293, 89.3737



90.0653, 96.7644, 108.5382



73.8125, 77.7668, 88.9632



15.9972, 17.2345, 19.4057



21.0925, 28.8319, 48.1964



1.6969, 2.3453, 3.7981



# Inverse Universe

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



75.5666, 77.2275, 88.0185



90.8902, 92.0426, 106.3966



75.9317, 79.7464, 82.6258



16.1635, 16.2843, 18.9736



25.5018, 12.4034, 34.7734

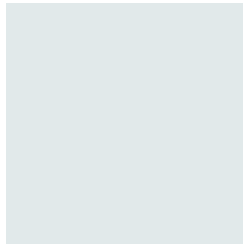


2.0230, 0.9822, 2.8386



# Previews

## White Background



This preview shows how the XYZ color 75.0415, 80.2259, 89.3719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

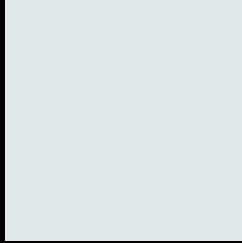
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0415, 80.2259, 89.3719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

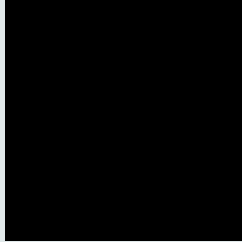
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

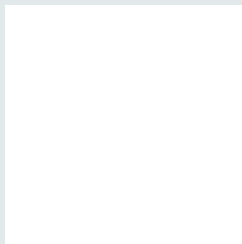
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.0415, 80.2259, 89.3719**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0415, 80.2259, 89.3719.



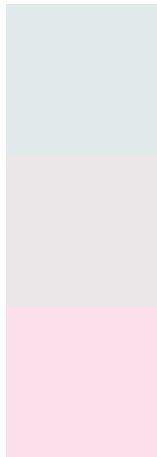
This preview shows how white text looks on a background with the XYZ color 75.0415, 80.2259,

89.3719.

# 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

75.0415, 80.2259, 89.3719

### Protanopia

77.1233, 80.0820, 87.7365

### Deuteranopia

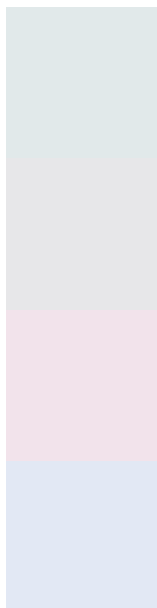
81.5796, 79.8767, 90.4749



## Tritanopia

77.3534, 80.3223, 101.0493

# Trichromacy



## Original Color

75.0415, 80.2259, 89.3719

## Protanomaly

76.2389, 80.0239, 88.5187

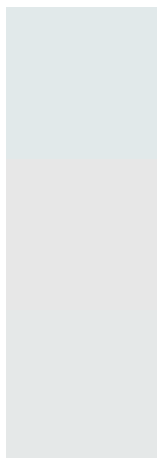
## Deuteranomaly

79.0824, 79.8136, 89.8347

## Tritanomaly

76.5498, 80.4136, 97.0747

# Monochromacy



## Original Color

75.0415, 80.2259, 89.3719

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.7352, 80.1974, 87.8319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0415, 80.2259, 89.3719 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(225, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 234)  
}
```

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(225, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0415, 80.2259, 89.3719 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(225, 233, 234) }
```



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

```
.border{ border-color:rgb(225, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0415, 80.2259, 89.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 234) }
```

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

```
.background{ background-color: rgb(225,  
233, 234) }
```

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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