

# Converting Colors

XYZ(76.4071, 80.5165, 89.2055)

Have a look what the booklet for  
XYZ(76.4071, 80.5165, 89.2055)  
contains.

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# Color

**XYZ(76.3410, 80.4767,  
89.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E8EA
RGB	230, 232, 234
RGB Percent	90%, 91%, 92%
CMY	0.0980, 0.0902, 0.0823
CMYK	0.02, 0.01, 0.00, 0.08
HSL	210°, 9%, 91%
HSV	210°, 2%, 92%
XYZ	76.3410, 80.4767, 89.3519
YIQ	231.6300, -1.8340, 0.1980

# Conversions

## Conversions Part 2

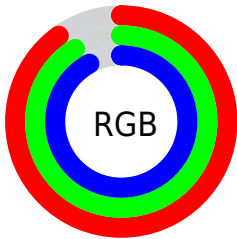
Format	Color
R <sub>Y</sub> B	230, 231, 234
Decimal	15132906
CIE Lab	91.90, -0.30, -1.21
CIE LCh	92, 1.251, 255.958
Yxy	80.4767, 0.3101, 0.3269
Android (android.graphics.Color)	4293322986 (0xFFE6E8EA)
YUV	231.6300, 1.1684, -1.4295
Hunter-Lab	89.7088, -5.0893, 3.7421

# Details

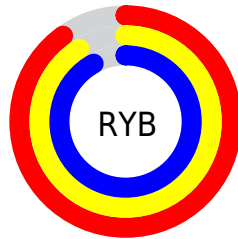
The XYZ color **76.3410, 80.4767, 89.3519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0714, 80.9179, 86.4207**, and the grayscale version is **76.4197, 80.3994, 87.5550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2404, 43.3790, 48.3189** is the 20% darker color. If you saturate the color by 10%, you get **66.1517, 70.5073, 87.9659**, and if you desaturate by 10%, it is **87.7614, 91.4096, 90.8615**.

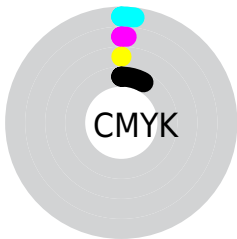
# Distribution



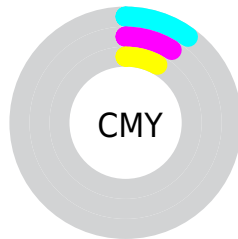
- Red (90%)
- Green (91%)
- Blue (92%)



- Red (90%)
- Yellow (91%)
- Blue (92%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (10%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3410, 80.4767, 89.3519 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 76.3410, 80.4767, 89.3519 by changing the saturation by 10% instead.



■ 76.3410, 80.4767,  
89.3519

■ 76.3410, 80.4767,  
89.3519

471.4407,  
496.5379, 546.4360

■ 57.0102, 60.1107,  
66.8726

127.1866,  
134.0357, 148.3655

■ 41.2536, 43.5079,  
48.5201

159.4321,  
167.9976, 185.7368

■ 28.7058, 30.2838,  
33.8760

196.7133,  
207.2602, 228.9091

■ 19.0016, 20.0541,  
22.5218

239.3954,  
252.2079, 278.3011

■ 11.7754, 12.4344,  
14.0388

287.8438,  
303.2251, 334.3313

■ 6.6621, 7.0402,  
8.0086

342.4239,

■ 3.2961, 3.4873,

360.6962, 397.4181

4.0126

403.5011,  
425.0057, 467.9801

■ 1.3122, 1.3911,  
1.6323

■ 0.1923, 0.2102,  
0.3137

■ 76.3410, 80.4767,  
89.3519

■ 76.3410, 80.4767,  
89.3519

■ 66.1517, 70.5073,  
87.9659

■ 87.7614, 91.4096,  
90.8615

■ 57.1425, 61.4619,  
86.6948

■ 91.8515, 98.7206,  
92.0570

■ 49.2689, 53.3136,  
85.5370

■ 42.4807, 46.0298,  
84.4888

■ 36.7238, 39.5756,  
83.5465

■ 31.9388, 33.9135,  
82.7058

■ 28.0599, 29.0020,  
81.9622

■ 25.0119, 24.7948,  
81.3108

■ 22.7052, 21.2375,  
80.7457

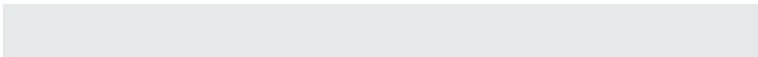
# Harmonies

## Analogous

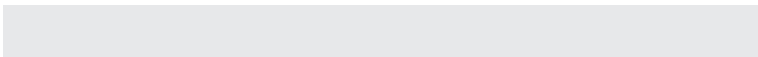
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0623, 80.4767, 88.9026



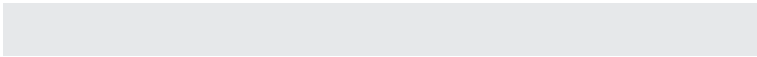
76.3410, 80.4767, 89.3519



76.6606, 80.4767, 89.3364

# Triad

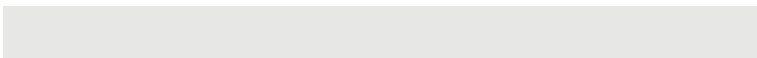
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3410, 80.4767, 89.3519



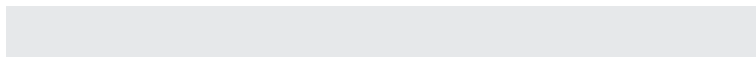
77.0858, 80.4767, 87.1402



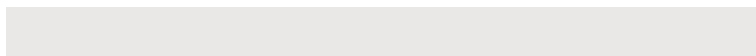
76.0478, 80.4767, 86.4021

# Complementary

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



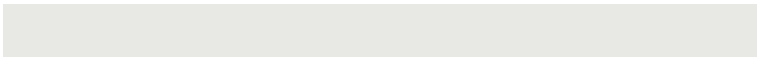
76.3410, 80.4767, 89.3519



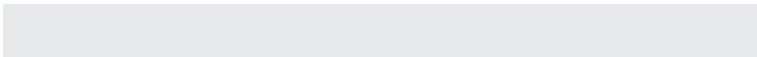
77.0714, 80.9179, 86.4207

# Split Complementary

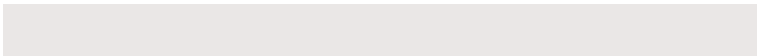
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3211, 80.4767, 85.9365



76.3410, 80.4767, 89.3519



76.9207, 80.4767, 86.3606

# Square

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



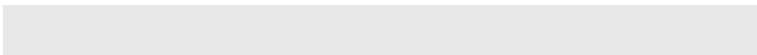
76.3410, 80.4767, 89.3519



77.0912, 80.4767, 88.0551



76.6406, 80.4767, 85.9214

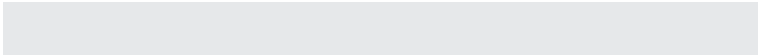


75.8933, 80.4767, 87.1972

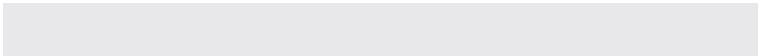


# Rectangle

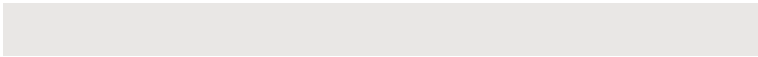
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



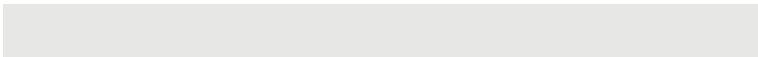
76.3410, 80.4767, 89.3519



76.8538, 80.4767, 89.0644



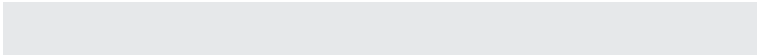
76.6406, 80.4767, 85.9214



76.1287, 80.4767, 86.2021

# Sweetspot

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



76.3433, 80.4801, 89.3537



93.7134, 98.7103, 108.7215



76.6132, 81.4923, 87.9871



20.0726, 21.1417, 23.2728



0.0000, 0.0000, 0.0000

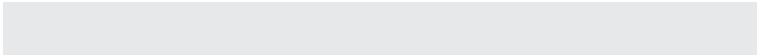


20.3446, 21.4041, 23.3091



# Same Dimension

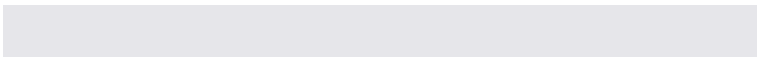
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3433, 80.4801, 89.3537



92.3919, 97.4324, 108.5445



75.8010, 79.3955, 89.1729



16.5530, 17.4537, 19.4187



12.0609, 10.7689, 45.1859

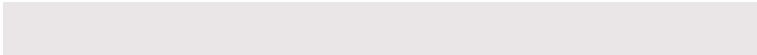


1.0433, 1.0381, 3.5803



# Inverse Universe

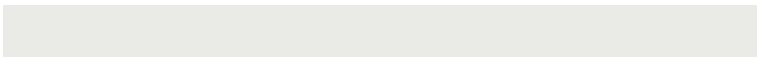
The Inverse Universe completely reimagines the original color for something new.



76.7957, 79.9137, 87.7253



93.0374, 96.6262, 106.2210



77.6197, 82.0146, 86.6035



16.6619, 17.3177, 19.0269



20.9431, 10.5799, 10.7677

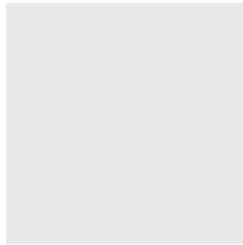


1.6931, 0.8502, 1.1013



# Previews

## White Background



This preview shows how the XYZ color 76.3410, 80.4767, 89.3519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

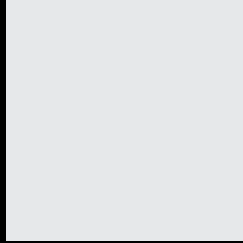
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3410, 80.4767, 89.3519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

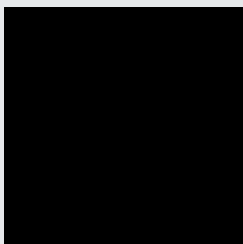
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

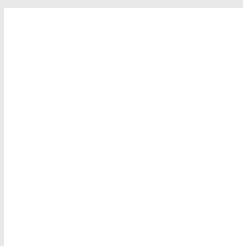
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.3410, 80.4767, 89.3519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3410, 80.4767, 89.3519.



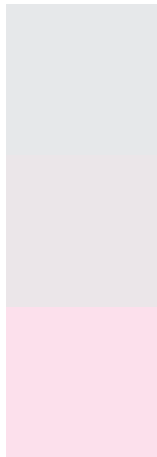
This preview shows how white text looks on a background with the XYZ color 76.3410, 80.4767,

89.3519.

# 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

76.3410, 80.4767, 89.3519

### Protanopia

77.2657, 80.1390, 88.4868

### Deuteranopia

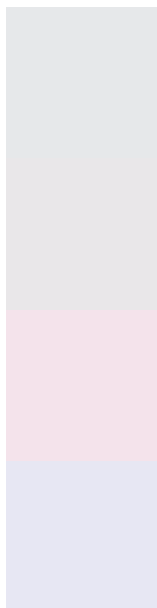
81.9409, 80.0629, 90.4918



## Tritanopia

78.5188, 80.5267, 100.2118

# Trichromacy



## Original Color

76.3410, 80.4767, 89.3519

## Protanomaly

76.8882, 80.3587, 88.5491

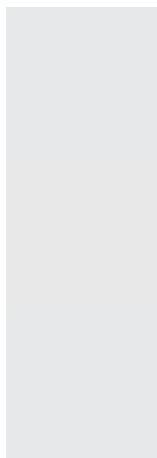
## Deuteranomaly

79.7727, 80.1694, 89.8670

## Tritanomaly

77.7086, 80.6118, 96.2580

# Monochromacy



## Original Color

76.3410, 80.4767, 89.3519

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5196, 80.5853, 88.6123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3410, 80.4767, 89.3519 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, 232, 234) looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 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(230, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3410, 80.4767, 89.3519 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, 232, 234) }
```



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

```
.border{ border-color:rgb(230, 232, 234) }
```

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

Here you see how a box with a 4 pixel rgb(230, 232, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3410, 80.4767, 89.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 234) }
```

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

```
.background{ background-color: rgb(230,  
232, 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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