

# Converting Colors

XYZ(77.5936, 81.1394, 89.6948)

Have a look what the booklet for  
XYZ(77.5936, 81.1394, 89.6948)  
contains.

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# **Color**

**XYZ(77.6396, 81.1462,  
89.4126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE8EA
RGB	234, 232, 234
RGB Percent	92%, 91%, 92%
CMY	0.0823, 0.0902, 0.0823
CMYK	0.00, 0.01, 0.00, 0.08
HSL	300°, 5%, 91%
HSV	300°, 1%, 92%
XYZ	77.6396, 81.1462, 89.4126
YIQ	232.8260, 0.5500, 1.0460

# Conversions

## Conversions Part 2

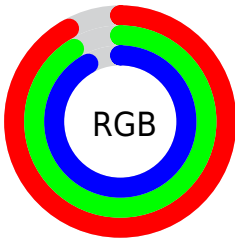
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 232, 234</a>
Decimal	<a href="#">15395050</a>
CIELab	<a href="#">92.20, 1.03, -0.74</a>
CIElCh	<a href="#">92, 1.270, 324.262</a>
Yxy	<a href="#">81.1462, 0.3128, 0.3269</a>
Android (android.graphics.Color)	<a href="#">4293585130 (0xFFEAE8EA)</a>
YUV	<a href="#">232.8260, 0.5788, 1.0296</a>
Hunter-Lab	<a href="#">90.0812, -3.7956, 4.2069</a>

# Details

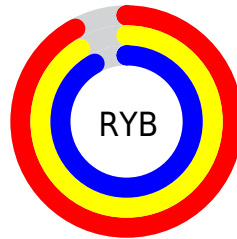
The XYZ color **77.6396, 81.1462, 89.4126** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2701, 81.8298, 88.0703**, and the grayscale version is **77.3188, 81.3454, 88.5851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9213, 43.7300, 48.3507** is the 20% darker color. If you saturate the color by 10%, you get **71.4875, 68.8409, 87.3628**, and if you desaturate by 10%, it is **84.5437, 94.9533, 91.7151**.

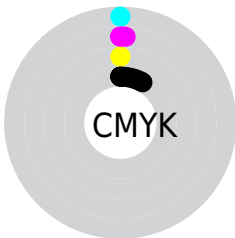
# Distribution



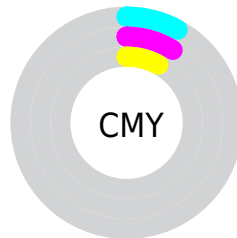
- Red (92%)
- Green (91%)
- Blue (92%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6396, 81.1462, 89.4126 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 77.6396, 81.1462, 89.4126 by changing the saturation by 10% instead.



■ 77.6396, 81.1462,  
89.4126

■ 77.6396, 81.1462,  
89.4126

475.8006,  
498.7873, 546.6389

■ 58.0797, 60.6620,  
66.9226

129.0100,  
134.9760, 148.4506

■ 42.1163, 43.9525,  
48.5605

161.5512,  
169.0905, 185.8356

■ 29.3838, 30.6331,  
33.9078

199.1503,  
208.5171, 229.0228

■ 19.5171, 20.3197,  
22.5460

242.1726,  
253.6404, 278.4306

■ 12.1507, 12.6276,  
14.0565

290.9834,  
304.8446, 334.4775

■ 6.9194, 7.1726,  
8.0208

345.9481,

■ 3.4576, 3.5703,

362.5142, 397.5822

4.0203

407.4320,  
427.0337, 468.1632

■ 1.4001, 1.4362,  
1.6365

■ 0.2563, 0.2432,  
0.3167

■ 77.6396, 81.1462,  
89.4126

■ 77.6396, 81.1462,  
89.4126

■ 71.4875, 68.8409,  
87.3628

■ 84.5437, 94.9533,  
91.7151

■ 66.1756, 58.2172,  
85.5921

■ 84.5437, 94.9533,  
91.7151

■ 61.6697, 49.2053,  
84.0901

■ 84.5438, 94.9533,  
91.7152

■ 57.9303, 41.7267,  
82.8435

■ 84.5438, 94.9533,  
91.7153

54.9149, 35.6958,  
81.8383

84.5438, 94.9533,  
91.7154

52.5766, 31.0192,  
81.0588

84.5438, 94.9533,  
91.7155

50.8631, 27.5923,  
80.4875

84.5438, 94.9533,  
91.7156

49.7145, 25.2951,  
80.1046

84.5438, 94.9533,  
91.7156

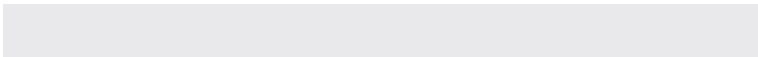
49.0592, 23.9845,  
79.8861

84.5439, 94.9534,  
91.7157

# Harmonies

## Analogous

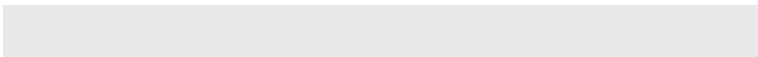
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3862, 81.1462, 90.0098



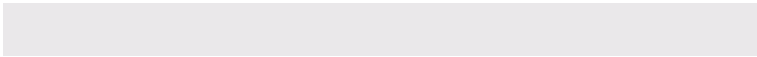
77.6396, 81.1462, 89.4126



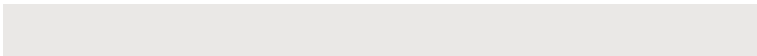
77.7557, 81.1462, 88.5350

# Triad

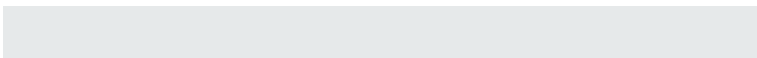
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6396, 81.1462, 89.4126



77.1900, 81.1462, 86.5711



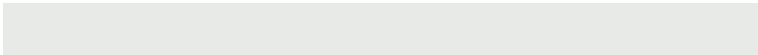
76.5540, 81.1462, 89.0980

# Complementary

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



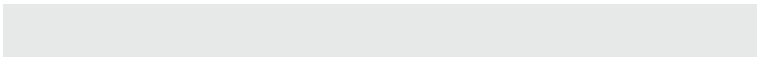
77.6396, 81.1462, 89.4126



77.2701, 81.8298, 88.0703

# 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.



76.5018, 81.1462, 88.1741



77.6396, 81.1462, 89.4126



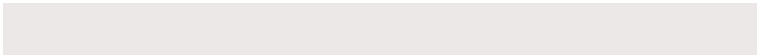
76.8684, 81.1462, 86.7195

# Square

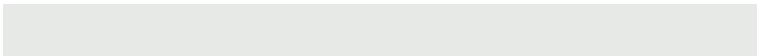
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



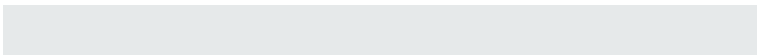
77.6396, 81.1462, 89.4126



77.4956, 81.1462, 86.8978



76.6167, 81.1462, 87.3046



76.7596, 81.1462, 89.8273

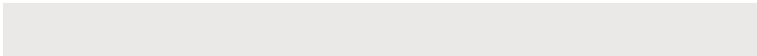


# Rectangle

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



77.6396, 81.1462, 89.4126



77.7393, 81.1462, 87.9106



76.6167, 81.1462, 87.3046



76.5180, 81.1462, 88.7997

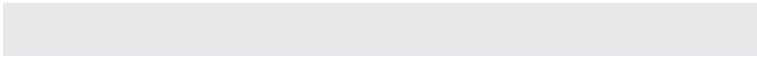
# Sweetspot

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



77.6419, 81.1497, 89.4144

95.0500, 100.0000, 108.9000



76.9902, 80.8137, 89.3839



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



77.6419, 81.1497, 89.4144



94.2419, 98.3838, 108.6306



77.4989, 81.0925, 88.6613



16.8651, 17.6142, 19.4332



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210



# Inverse Universe

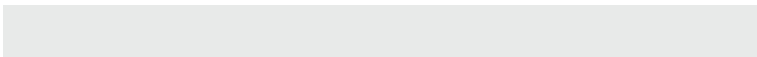
The Inverse Universe completely reimagines the original color for something new.



77.6419, 81.1497, 89.4144



94.2419, 98.3838, 108.6306



77.4123, 81.8867, 88.8191



16.8651, 17.6142, 19.4332



27.4133, 13.1680, 44.8393

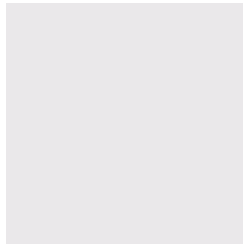


2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 77.6396, 81.1462, 89.4126 looks on a white background.

## Color Contrast Check

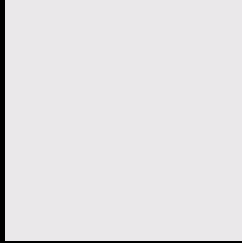
Large Text (above 18pt) WCAG AA × Fail

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 77.6396, 81.1462, 89.4126 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

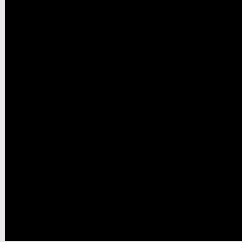
Any Text WCAG AAA ✓ Pass

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

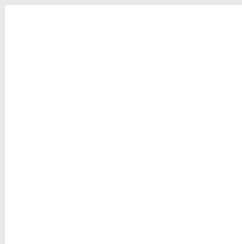


# XYZ 77.6396, 81.1462, 89.4126

## Background



This preview shows how black text looks on a background with the XYZ color 77.6396, 81.1462, 89.4126.



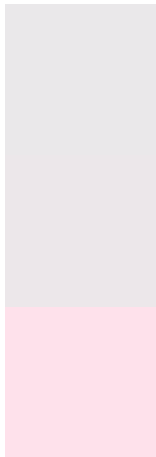
This preview shows how white text looks on a background with the XYZ color 77.6396, 81.1462,

89.4126.

# 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

77.6396, 81.1462, 89.4126

### Protanopia

78.0193, 80.9252, 89.3500

### Deuteranopia

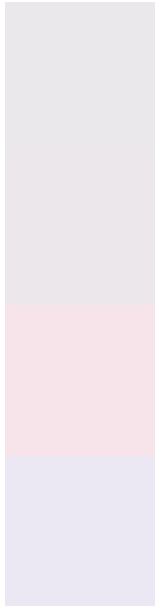
82.7937, 80.9194, 89.8526



## Tritanopia

79.8322, 81.2038, 100.2732

# Trichromacy



## Original Color

77.6396, 81.1462, 89.4126

## Protanomaly

77.6881, 80.7545, 89.3345

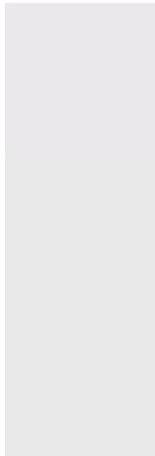
## Deuteranomaly

81.0966, 81.2591, 90.0076

## Tritanomaly

79.0145, 81.2851, 96.3191

# Monochromacy



## Original Color

77.6396, 81.1462, 89.4126

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.4512, 81.4847, 88.7368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6396, 81.1462, 89.4126 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(234, 232, 234) looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 77.6396, 81.1462, 89.4126 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(234, 232, 234) }
```

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

```
.border{ border-color:rgb(234, 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(234, 232, 234)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 77.6396, 81.1462, 89.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(234,  
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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