

# Converting Colors

XYZ(74.6314, 77.1835, 79.2925)

Have a look what the booklet for  
XYZ(74.6314, 77.1835, 79.2925)  
contains.

<b>XYZ(74.8396, 77.4460, 79.4107)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.8396, 77.4460,  
79.4107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE2DD
RGB	236, 226, 221
RGB Percent	93%, 89%, 87%
CMY	0.0745, 0.1137, 0.1333
CMYK	0.00, 0.04, 0.06, 0.07
HSL	20°, 28%, 90%
HSV	20°, 6%, 93%
XYZ	74.8396, 77.4460, 79.4107
YIQ	228.4200, 7.5650, 0.5650

# Conversions

## Conversions Part 2

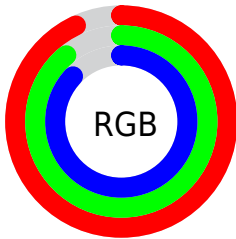
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 229, 221
Decimal	15524573
CIE Lab	90.53, 2.54, 3.64
CIE LCh	91, 4.440, 55.067
Yxy	77.4460, 0.3230, 0.3343
Android (android.graphics.Color)	4293714653 (0xFFECE2DD)
YUV	228.4200, -3.6581, 6.6477
Hunter-Lab	88.0034, -2.2065, 8.1015

# Details

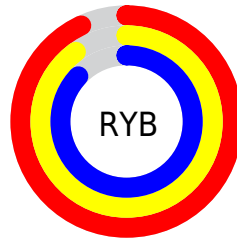
The XYZ color **74.8396, 77.4460, 79.4107** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5350, 78.5790, 90.6495**, and the grayscale version is **74.0742, 77.9319, 84.8678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2682, 41.5823, 41.9802** is the 20% darker color. If you saturate the color by 10%, you get **67.8321, 68.1135, 62.6369**, and if you desaturate by 10%, it is **82.6858, 87.7466, 98.6466**.

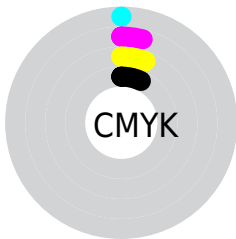
# Distribution



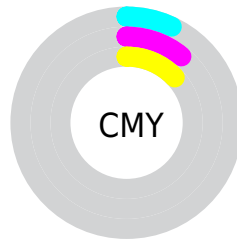
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (90%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8396, 77.4460, 79.4107 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 74.8396, 77.4460, 79.4107 by changing the saturation by 10% instead.



74.8396, 77.4460,  
79.4107

74.8396, 77.4460,  
79.4107

466.3718,  
486.2833, 512.5989

55.7752, 57.6190,  
58.7102

125.0744,  
129.7689, 134.3408

40.2590, 41.5024,  
41.9614

156.9755,  
163.0335, 169.4075

27.9257, 28.7119,  
28.7457

193.8863,  
201.5462, 210.1000

18.4098, 18.8630,  
18.6446

236.1720,  
245.6912, 256.8369

11.3461, 11.5713,  
11.2396

284.1980,  
295.8531, 310.0367

6.3691, 6.4525,  
6.1120

338.3298,

3.1136, 3.1221,

352.4161, 370.1179

2.8434

398.9326,  
415.7647, 437.4992

■ 1.2141, 1.1958,  
1.0153

■ 0.1175, 0.0583,  
0.0000

■ 74.8396, 77.4460,  
79.4107

■ 74.8396, 77.4460,  
79.4107

■ 67.8321, 68.1135,  
62.6369

■ 82.6858, 87.7466,  
98.6466

■ 61.6279, 59.7108,  
48.2201

■ 88.4025, 96.5731,  
108.5889

■ 56.1987, 52.2114,  
36.0550

■ 51.5118, 45.5839,  
26.0262

■ 47.5321, 39.7951,  
18.0082

■ 44.2214, 34.8093,  
11.8620

■ 41.5372, 30.5880,  
7.4307

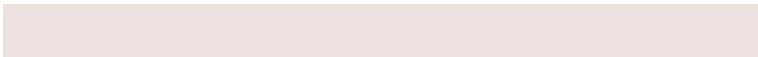
■ 39.4313, 27.0890,  
4.5313

■ 37.8459, 24.2645,  
2.9358

# Harmonies

## Analogous

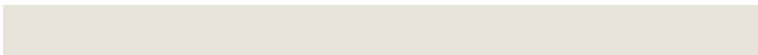
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5613, 77.4460, 81.7610



74.8396, 77.4460, 79.4107



73.7939, 77.4460, 78.3784

# Triad

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



74.8396, 77.4460, 79.4107



71.5031, 77.4460, 83.8008



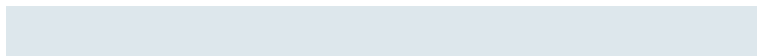
74.5185, 77.4460, 89.9871

# Complementary

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



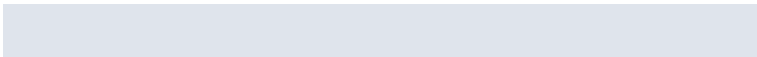
74.8396, 77.4460, 79.4107



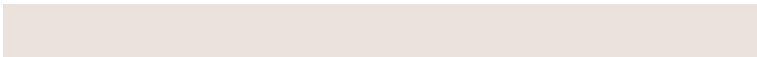
73.5350, 78.5790, 90.6495

# Split Complementary

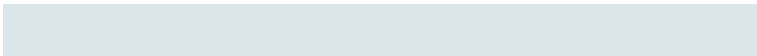
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4266, 77.4460, 90.5662



74.8396, 77.4460, 79.4107



71.6928, 77.4460, 86.9431

# Square

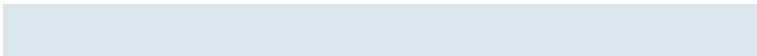
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8396, 77.4460, 79.4107



71.8734, 77.4460, 80.8720



72.3941, 77.4460, 89.4391



75.3746, 77.4460, 87.8760

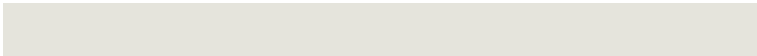


# Rectangle

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



74.8396, 77.4460, 79.4107



73.0564, 77.4460, 78.5571



72.3941, 77.4460, 89.4391



74.1666, 77.4460, 90.3696

# Sweetspot

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



74.8418, 77.4494, 79.4124



93.1650, 97.5265, 104.2745



74.8734, 75.3165, 86.1937



19.9609, 20.9007, 22.3675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

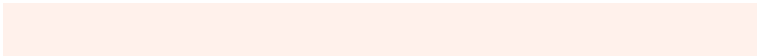


# Same Dimension

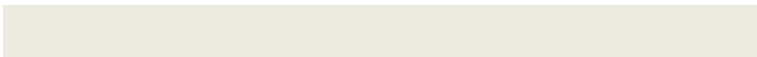
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8418, 77.4494, 79.4124



87.7531, 90.3860, 91.1158



76.9250, 81.6158, 80.1068



15.4760, 15.8751, 15.7672



20.7046, 13.1034, 1.4380

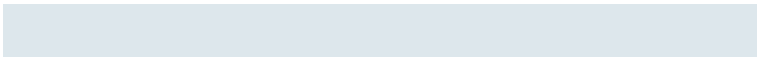


1.7114, 1.2001, 0.1414

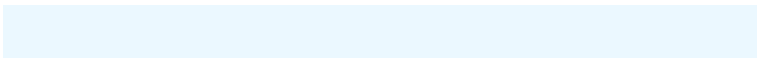


# Inverse Universe

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



73.5350, 78.5790, 90.6495



85.8063, 92.0687, 107.8563



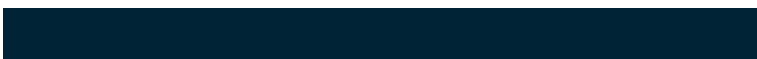
71.4817, 74.4724, 89.9651



15.0698, 16.2261, 19.2599



15.1407, 16.9285, 46.2125

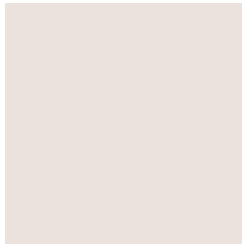


1.2767, 1.5049, 3.6581



# Previews

## White Background



This preview shows how the XYZ color 74.8396, 77.4460, 79.4107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

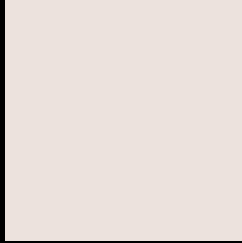
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8396, 77.4460, 79.4107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

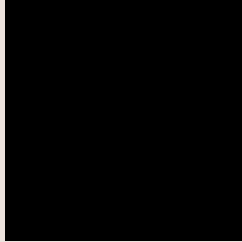
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

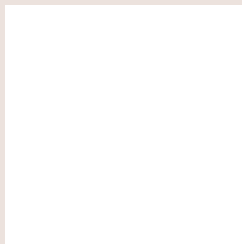
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8396, 77.4460, 79.4107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8396, 77.4460, 79.4107.



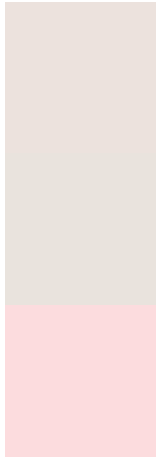
This preview shows how white text looks on a background with the XYZ color 74.8396, 77.4460,



# 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

74.8396, 77.4460, 79.4107

### Protanopia

74.1245, 77.4823, 79.4554

### Deuteranopia

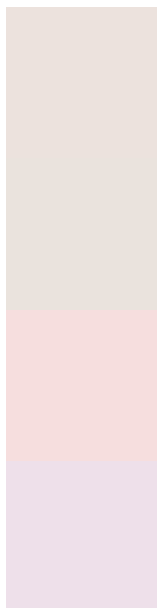
78.9229, 77.1558, 79.8401



## Tritanopia

77.8615, 77.4769, 94.0699

# Trichromacy



## Original Color

74.8396, 77.4460, 79.4107

## Protanomaly

74.4519, 77.6511, 79.4707

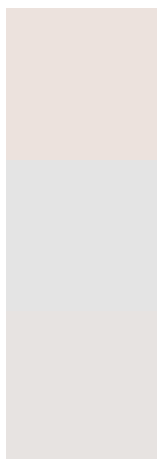
## Deuteranomaly

77.3121, 77.1093, 79.9160

## Tritanomaly

76.7668, 77.4290, 88.7411

# Monochromacy



## Original Color

74.8396, 77.4460, 79.4107

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.0147, 77.3633, 82.2658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8396, 77.4460, 79.4107 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(236, 226, 221) looks like.

```
.text, #text, p{  
    color:rgb(236, 226, 221)  
}
```

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(236, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8396, 77.4460, 79.4107 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(236, 226, 221) }
```



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

```
.border{ border-color:rgb(236, 226, 221) }
```

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

Here you see how a box with a 4 pixel rgb(236, 226, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(236, 226,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8396, 77.4460, 79.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 221) }
```

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

```
.background{ background-color: rgb(236,  
226, 221) }
```

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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