

# Converting Colors

XYZ(76.0199, 79.6060, 83.3113)

Have a look what the booklet for  
XYZ(76.0199, 79.6060, 83.3113)  
contains.

<b>XYZ(75.9560, 79.5770, 83.3081)</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(75.9560, 79.5770,  
83.3081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE6E2
RGB	234, 230, 226
RGB Percent	92%, 90%, 89%
CMY	0.0823, 0.0980, 0.1137
CMYK	0.00, 0.02, 0.03, 0.08
HSL	30°, 16%, 90%
HSV	30°, 3%, 92%
XYZ	75.9560, 79.5770, 83.3081
YIQ	230.7400, 3.6680, -0.3960

# Conversions

## Conversions Part 2

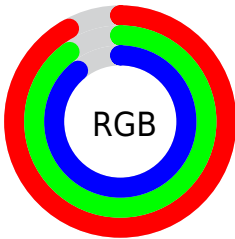
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 234, 226
Decimal	15394530
CIE Lab	91.49, 0.65, 2.41
CIE LCh	91, 2.498, 74.836
Yxy	79.5770, 0.3180, 0.3332
Android (android.graphics.Color)	4293584610 (0xFFEAE6E2)
YUV	230.7400, -2.3368, 2.8590
Hunter-Lab	89.2059, -4.1234, 7.0741

# Details

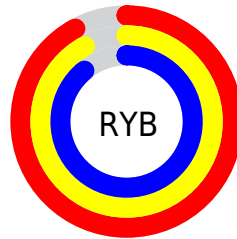
The XYZ color **75.9560, 79.5770, 83.3081** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5122, 78.7020, 89.1069**, and the grayscale version is **75.7792, 79.7256, 86.8212**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0408, 43.0652, 44.6774** is the 20% darker color. If you saturate the color by 10%, you get **69.8179, 72.0927, 66.4867**, and if you desaturate by 10%, it is **82.7550, 87.6798, 102.5137**.

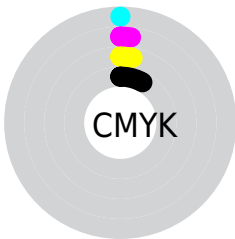
# Distribution



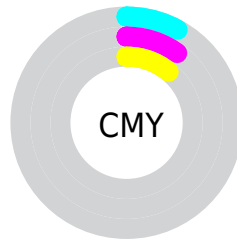
- Red (92%)
- Green (90%)
- Blue (89%)



- Red (92%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9560, 79.5770, 83.3081 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 75.9560, 79.5770, 83.3081 by changing the saturation by 10% instead.



■ 75.9560, 79.5770,  
83.3081

■ 75.9560, 79.5770,  
83.3081

470.1438,  
493.5062, 526.0106

■ 56.6934, 59.3703,  
61.9023

126.6454,  
132.7709, 139.8600

■ 40.9983, 42.9113,  
44.5185

158.8029,  
166.5268, 175.8431

■ 28.5054, 29.8155,  
30.7381

195.9893,  
205.5680, 217.5224

■ 18.8494, 19.6986,  
20.1427

238.5701,  
250.2788, 265.3165

■ 11.6649, 12.1762,  
12.3137

286.9106,  
301.0437, 319.6438

■ 6.5865, 6.8638,  
6.8326

341.3761,

■ 3.2489, 3.3770,

358.2469, 380.9229

3.2808

402.3321,  
422.2729, 449.5723

■ 1.2867, 1.3316,  
1.2397

■ 0.1732, 0.1655,  
0.0116

■ 75.9560, 79.5770,  
83.3081

■ 75.9560, 79.5770,  
83.3081

■ 69.8179, 72.0927,  
66.4867

■ 82.7550, 87.6798,  
102.5137

■ 64.3120, 65.2011,  
51.9501

■ 87.2285, 95.2053,  
108.3868

■ 59.4176, 58.8892,  
39.5994

■ 87.7422, 96.2327,  
108.5580

■ 55.1097, 53.1400,  
29.3264

■ 51.3618, 47.9353,  
21.0136

■ 48.1446, 43.2557,  
14.5317

■ 45.4260, 39.0803,  
9.7354

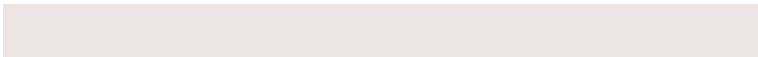
■ 43.1692, 35.3860,  
6.4571

■ 41.3304, 32.1466,  
4.4936

# Harmonies

## Analogous

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



76.5064, 79.5770, 84.1990



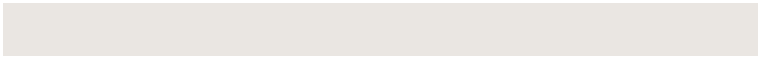
75.9560, 79.5770, 83.3081



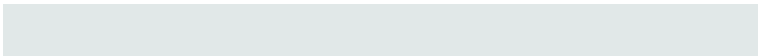
75.3227, 79.5770, 83.3030

# Triad

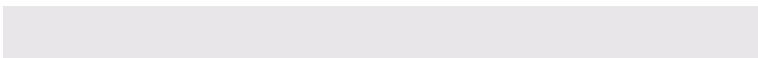
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9560, 79.5770, 83.3081



74.4592, 79.5770, 87.5460



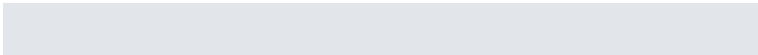
76.5014, 79.5770, 89.1541

# Complementary

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



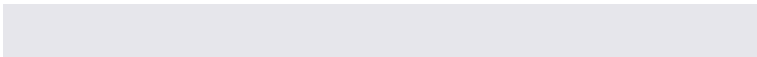
75.9560, 79.5770, 83.3081



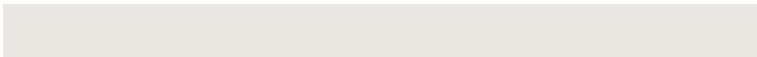
74.5122, 78.7020, 89.1069

# Split Complementary

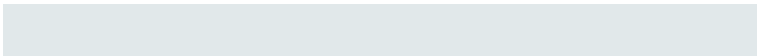
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9492, 79.5770, 90.0769



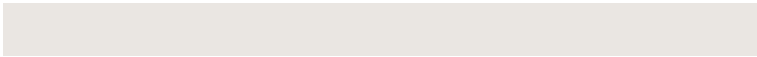
75.9560, 79.5770, 83.3081



74.7714, 79.5770, 89.1396

# Square

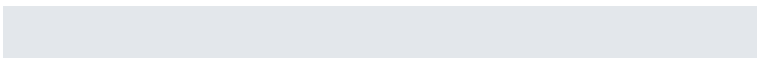
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9560, 79.5770, 83.3081



74.4610, 79.5770, 85.7326



75.3160, 79.5770, 90.0715

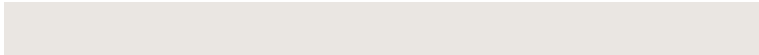


76.8224, 79.5770, 87.5655



# Rectangle

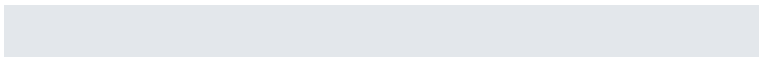
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



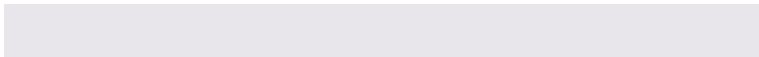
75.9560, 79.5770, 83.3081



74.9389, 79.5770, 83.8019



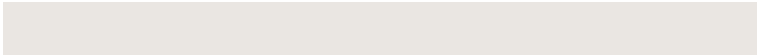
75.3160, 79.5770, 90.0715



76.3365, 79.5770, 89.5534

# Sweetspot

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



75.9582, 79.5804, 83.3098



94.2371, 99.0268, 106.6171



75.4122, 77.5996, 85.8677



20.1792, 21.2061, 22.8445



0.0000, 0.0000, 0.0000

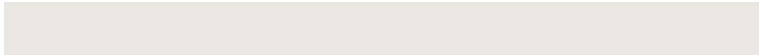


20.3446, 21.4041, 23.3091

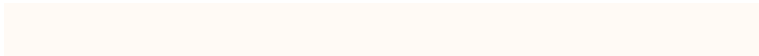


# Same Dimension

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



75.9582, 79.5804, 83.3098



91.8470, 96.1525, 99.9446



77.0832, 81.8303, 83.6848



16.3289, 17.0784, 17.6006



22.7758, 17.2459, 2.1284

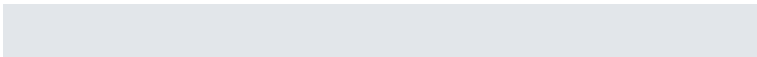


1.8847, 1.5466, 0.1992

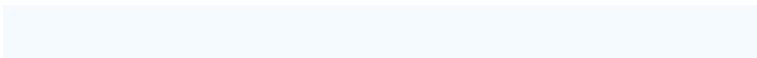


# Inverse Universe

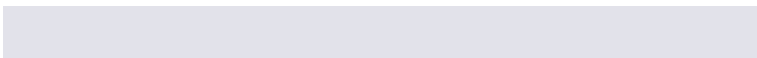
The Inverse Universe completely reimagines the original color for something new.



74.5122, 78.7020, 89.1069



89.7895, 94.9025, 108.1934



73.4129, 76.5032, 88.7404



15.8975, 16.8163, 19.3302



12.0388, 10.7246, 45.1785

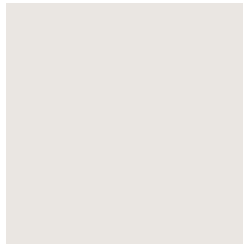


1.0415, 1.0345, 3.5797



# Previews

## White Background



This preview shows how the XYZ color 75.9560, 79.5770, 83.3081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

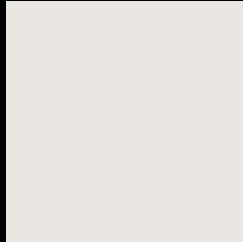
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9560, 79.5770, 83.3081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

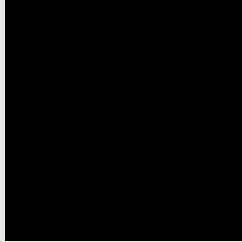
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

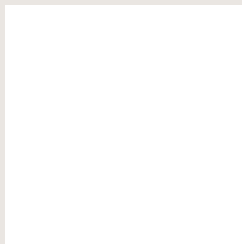
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.9560, 79.5770, 83.3081

## Background



This preview shows how black text looks on a background with the XYZ color 75.9560, 79.5770, 83.3081.



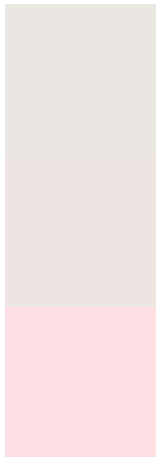
This preview shows how white text looks on a background with the XYZ color 75.9560, 79.5770, 83.3081.



# 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

75.9560, 79.5770, 83.3081

### Protanopia

76.3388, 79.3625, 83.2465

### Deuteranopia

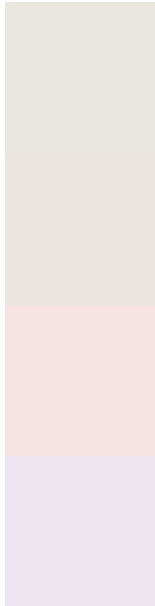
81.1259, 79.3922, 83.7215



## Tritanopia

78.8756, 79.5353, 97.5809

# Trichromacy



## Original Color

75.9560, 79.5770, 83.3081

## Protanomaly

76.0077, 79.1918, 83.2310

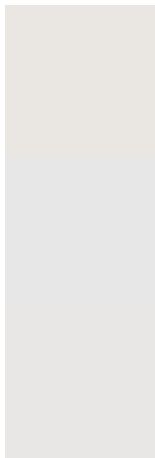
## Deuteranomaly

79.4193, 79.7129, 83.8733

## Tritanomaly

77.7681, 79.4927, 92.1337

# Monochromacy



## Original Color

75.9560, 79.5770, 83.3081

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.9975, 79.9648, 85.5580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9560, 79.5770, 83.3081 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, 230, 226) looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 226)  
}
```

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, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9560, 79.5770, 83.3081 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, 230, 226) }
```



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

```
.border{ border-color:rgb(234, 230, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9560, 79.5770, 83.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 226) }
```

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

```
.background{ background-color: rgb(234,  
230, 226) }
```

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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