

# Converting Colors

XYZ(74.6658, 77.2624, 83.6509)

Have a look what the booklet for  
XYZ(74.6658, 77.2624, 83.6509)  
contains.

<b>XYZ(74.6658, 77.2624, 83.6509)</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(74.6658, 77.2624,  
83.6509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E2E3
RGB	233, 226, 227
RGB Percent	91%, 89%, 89%
CMY	0.0863, 0.1137, 0.1098
CMYK	0.00, 0.03, 0.03, 0.09
HSL	351°, 14%, 90%
HSV	351°, 3%, 91%
XYZ	74.6658, 77.2624, 83.6509
YIQ	228.2070, 3.8510, 1.7950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 226, 227
Decimal	15327971
CIE Lab	90.44, 2.55, 0.35
CIE LCh	90, 2.571, 7.730
Yxy	77.2624, 0.3169, 0.3280
Android (android.graphics.Color)	4293518051 (0xFFE9E2E3)
YUV	228.2070, -0.5951, 4.2035
Hunter-Lab	87.8990, -2.1966, 5.1048

# Details

The XYZ color **74.6658, 77.2624, 83.6509** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.0714, 80.2749, 87.8859**, and the grayscale version is **73.8984, 77.7469, 84.6663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1408, 41.4515, 44.9150** is the 20% darker color. If you saturate the color by 10%, you get **66.1560, 64.4027, 67.9878**, and if you desaturate by 10%, it is **84.3611, 91.9788, 101.2903**.

# Distribution



Red (91%)

Green (89%)

Blue (89%)



Red (91%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6658, 77.2624, 83.6509 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 74.6658, 77.2624, 83.6509 by changing the saturation by 10% instead.



74.6658, 77.2624,  
83.6509

74.6658, 77.2624,  
83.6509

465.7830,  
485.6582, 527.1810

55.6324, 57.4683,  
62.1835

124.8296,  
129.5098, 140.3441

40.1441, 41.3813,  
44.7443

156.6907,  
162.7319, 176.4070

27.8356, 28.6172,  
30.9146

193.5584,  
201.1987, 218.1722

18.3416, 18.7914,  
20.2759

235.7980,  
245.2947, 266.0582

11.2967, 11.5196,  
12.4097

283.7749,  
295.4043, 320.4835

6.3355, 6.4175,  
6.8974

337.8545,

3.0927, 3.1006,

351.9118, 381.8667

3.3206

398.4020,  
415.2016, 450.6264

■ 1.2030, 1.1845,  
1.2605

■ 0.1087, 0.0490,  
0.0291

■ 74.6658, 77.2624,  
83.6509

■ 74.6658, 77.2624,  
83.6509

■ 66.1560, 64.4027,  
67.9878

■ 84.3611, 91.9788,  
101.2903

■ 58.7798, 53.3162,  
54.2272

■ 87.4148, 96.0639,  
108.5427

■ 52.4909, 43.9281,  
42.2977

■ 47.2377, 36.1544,  
32.1219

■ 42.9640, 29.9038,  
23.6166

■ 39.6084, 25.0760,  
16.6918

■ 37.1024, 21.5585,  
11.2490

■ 35.3677, 19.2219,  
7.1785

■ 34.3109, 17.9101,  
4.3547

# Harmonies

## Analogous

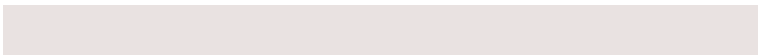
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5841, 77.2624, 85.4727



74.6658, 77.2624, 83.6509



74.4164, 77.2624, 81.9804

# Triad

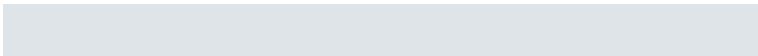
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6658, 77.2624, 83.6509



72.6827, 77.2624, 81.3600



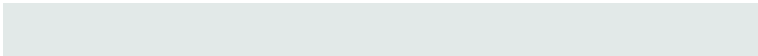
72.9687, 77.2624, 87.4404

# Complementary

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



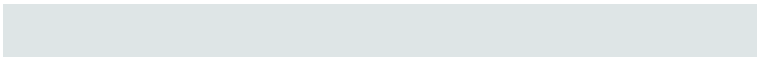
74.6658, 77.2624, 83.6509



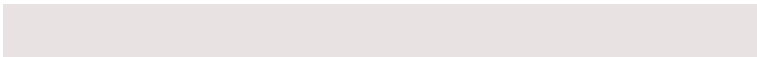
75.0714, 80.2749, 87.8859

# 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.



72.4635, 77.2624, 86.3080



74.6658, 77.2624, 83.6509



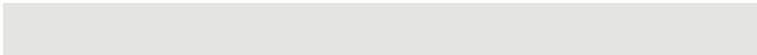
72.2990, 77.2624, 82.7928

# Square

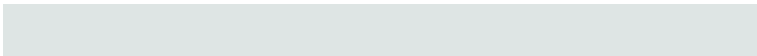
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



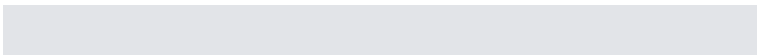
74.6658, 77.2624, 83.6509



73.2696, 77.2624, 80.6703



72.2190, 77.2624, 84.6021



73.6018, 77.2624, 87.6782

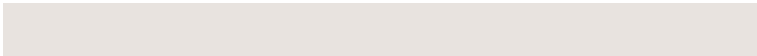


# Rectangle

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



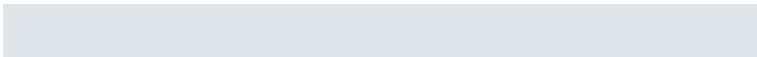
74.6658, 77.2624, 83.6509



74.0967, 77.2624, 81.1712



72.2190, 77.2624, 84.6021



72.7784, 77.2624, 87.1509

# Sweetspot

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



74.6680, 77.2657, 83.6526



93.8917, 98.2437, 106.7868



75.1692, 77.4268, 88.0750



20.1089, 21.0467, 22.8791



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

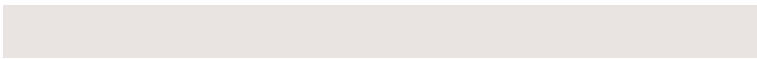
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6680, 77.2657, 83.6526



90.5053, 93.1132, 100.5945



75.2015, 78.5522, 83.1540



16.0482, 16.4426, 17.7361



19.2518, 9.9034, 1.8612

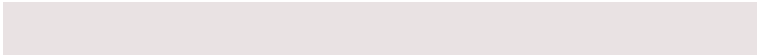


1.5391, 0.7886, 0.2900



# Inverse Universe

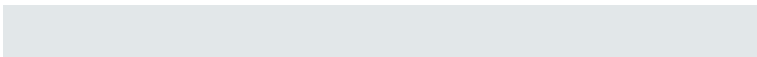
The Inverse Universe completely reimagines the original color for something new.



74.6680, 77.2657, 83.6526



90.5053, 93.1132, 100.5945



74.5249, 78.9548, 88.4039



16.0482, 16.4426, 17.7361



19.2518, 9.9034, 1.8612

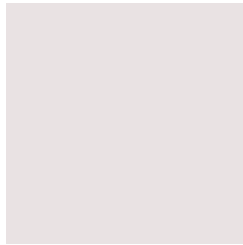


1.5391, 0.7886, 0.2900



# Previews

## White Background



This preview shows how the XYZ color 74.6658, 77.2624, 83.6509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

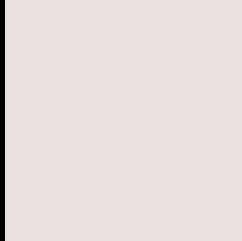
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6658, 77.2624, 83.6509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

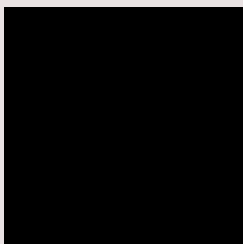
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

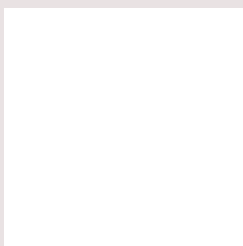
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6658, 77.2624, 83.6509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6658, 77.2624, 83.6509.



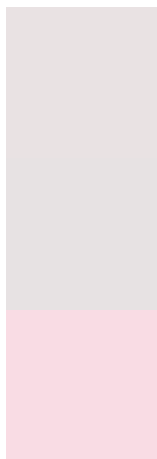
This preview shows how white text looks on a background with the XYZ color 74.6658, 77.2624,



# 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

74.6658, 77.2624, 83.6509

### Protanopia

74.0165, 76.9277, 83.6205

### Deuteranopia

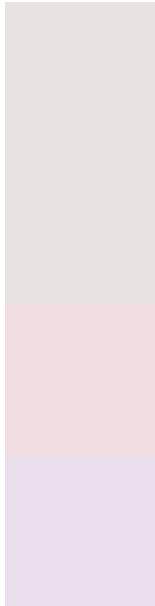
78.6637, 76.9276, 84.1013



## Tritanopia

76.7938, 77.3244, 94.0967

# Trichromacy



## Original Color

74.6658, 77.2624, 83.6509

## Protanomaly

74.3402, 77.0946, 83.6356

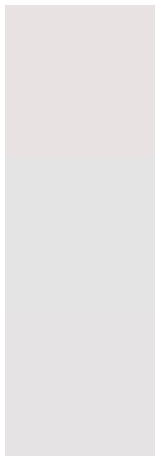
## Deuteranomaly

77.0870, 76.8987, 84.1788

## Tritanomaly

75.9972, 77.3990, 90.2909

# Monochromacy



## Original Color

74.6658, 77.2624, 83.6509

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.1058, 77.3626, 84.4255

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6658, 77.2624, 83.6509 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(233, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 227)  
}
```

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(233, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6658, 77.2624, 83.6509 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(233, 226, 227) }
```



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

```
.border{ border-color:rgb(233, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6658, 77.2624, 83.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 227) }
```

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

```
.background{ background-color: rgb(233,  
226, 227) }
```

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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