

# Converting Colors

XYZ(73.8713, 76.8721, 84.5770)

Have a look what the booklet for  
XYZ(73.8713, 76.8721, 84.5770)  
contains.

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# **Color**

**XYZ(73.8331, 76.8171,  
84.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E2E4
RGB	230, 226, 228
RGB Percent	90%, 89%, 89%
CMY	0.0980, 0.1137, 0.1059
CMYK	0.00, 0.02, 0.01, 0.10
HSL	330°, 7%, 89%
HSV	330°, 2%, 90%
XYZ	73.8331, 76.8171, 84.3346
YIQ	227.4240, 1.7420, 1.4700

# Conversions

## Conversions Part 2

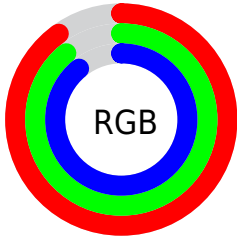
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 226, 228
Decimal	15131364
CIE <sub>Lab</sub>	90.24, 1.71, -0.51
CIE <sub>LCh</sub>	90, 1.783, 343.539
Yxy	76.8171, 0.3142, 0.3269
Android (android.graphics.Color)	4293321444 (0xFFE6E2E4)
YUV	227.4240, 0.2840, 2.2592
Hunter-Lab	87.6454, -3.0097, 4.3014

# Details

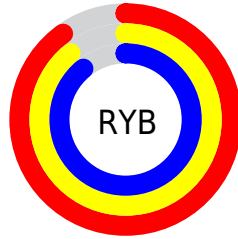
The XYZ color **73.8331, 76.8171, 84.3346** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6673, 78.3659, 84.6461**, and the grayscale version is **73.3213, 77.1397, 84.0051**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7849, 41.2569, 45.4017** is the 20% darker color. If you saturate the color by 10%, you get **66.4491, 64.5209, 74.2506**, and if you desaturate by 10%, it is **82.1668, 90.8404, 95.2620**.

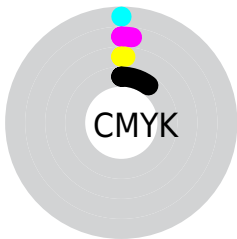
# Distribution



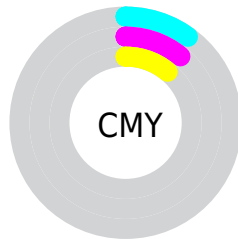
- Red (90%)
- Green (89%)
- Blue (89%)



- Red (90%)
- Yellow (89%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (10%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8331, 76.8171, 84.3346 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 73.8331, 76.8171, 84.3346 by changing the saturation by 10% instead.



■ 73.8331, 76.8171,  
84.3346

■ 73.8331, 76.8171,  
84.3346

462.9564,  
484.1402, 529.5108

■ 54.9482, 57.1028,  
62.7447

123.6560,  
128.8813, 141.3090

■ 39.5940, 41.0878,  
45.1951

155.3247,  
161.9999, 177.5307

■ 27.4049, 28.3877,  
31.2670

191.9854,  
200.3554, 219.4667

■ 18.0157, 18.6181,  
20.5421

234.0034,  
244.3322, 267.5356

■ 11.0610, 11.3946,  
12.6017

281.7442,  
294.3147, 322.1559

■ 6.1755, 6.3329,  
7.0274

335.5731,

■ 2.9938, 3.0486,

350.6873, 383.7461

3.4005

395.8553,  
413.8343, 452.7249

■ 1.1505, 1.1571,  
1.3026

■ 0.0667, 0.0263,  
0.0639

■ 73.8331, 76.8171,  
84.3346

■ 73.8331, 76.8171,  
84.3346

■ 66.4491, 64.5209,  
74.2506

■ 82.1668, 90.8404,  
95.2620

■ 59.9730, 53.8746,  
64.9830

■ 85.8099, 95.3098,  
105.1598

■ 54.3696, 44.8101,  
56.5108

■ 86.4437, 95.5633,  
108.4972

■ 49.5986, 37.2505,  
48.8096

■ 45.6168, 31.1124,  
41.8539

■ 42.3763, 26.3045,  
35.6163

■ 39.8242, 22.7244,  
30.0670

■ 37.8997, 20.2547,  
25.1733

■ 36.5304, 18.7547,  
20.8981

# Harmonies

## Analogous

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



73.6013, 76.8171, 85.4234



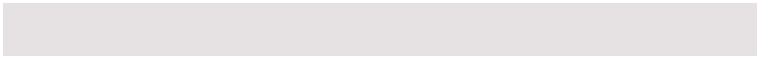
73.8331, 76.8171, 84.3346



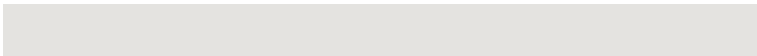
73.8444, 76.8171, 83.0704

# Triad

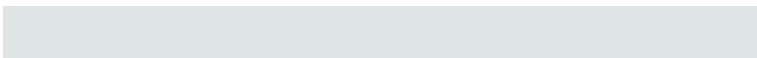
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8331, 76.8171, 84.3346



72.8129, 76.8171, 81.2891



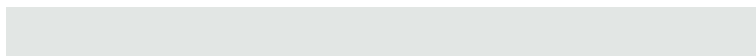
72.3960, 76.8171, 85.3342

# Complementary

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



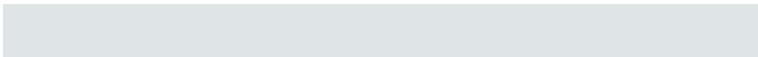
73.8331, 76.8171, 84.3346



73.6673, 78.3659, 84.6461

# 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.



72.1865, 76.8171, 84.2137



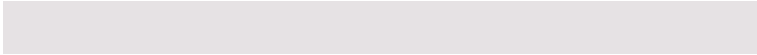
73.8331, 76.8171, 84.3346



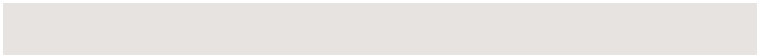
72.4266, 76.8171, 81.8831

# Square

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



73.8331, 76.8171, 84.3346



73.2542, 76.8171, 81.3207



72.1977, 76.8171, 82.9507



72.7710, 76.8171, 86.0045



# Rectangle

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



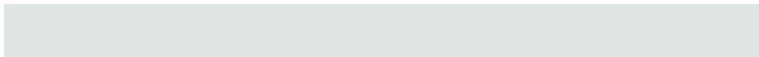
73.8331, 76.8171, 84.3346



73.7253, 76.8171, 82.2988



72.1977, 76.8171, 82.9507



72.3040, 76.8171, 84.9972

# Sweetspot

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



73.8353, 76.8204, 84.3363



94.0371, 98.3019, 107.5521



73.4770, 76.6034, 85.7774



20.1385, 21.0585, 23.0348



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.



73.8353, 76.8204, 84.3363



93.0363, 96.6258, 106.2149



73.5597, 76.7102, 82.8849



15.8965, 16.5228, 18.1523



20.2853, 10.2483, 10.3971



1.5459, 0.7761, 1.0152



# Inverse Universe

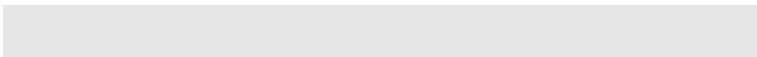
The Inverse Universe completely reimagines the original color for something new.



73.8353, 76.8204, 84.3363



93.0363, 96.6258, 106.2149



73.9461, 78.4774, 86.1144



15.8965, 16.5228, 18.1523



20.2853, 10.2483, 10.3971

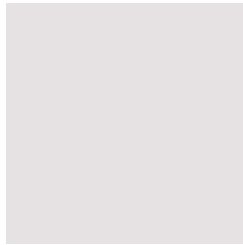


1.5459, 0.7761, 1.0152



# Previews

## White Background



This preview shows how the XYZ color 73.8331, 76.8171, 84.3346 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 73.8331, 76.8171, 84.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

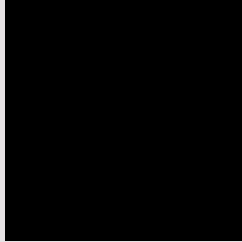
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

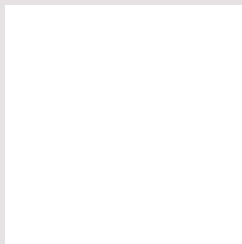
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8331, 76.8171, 84.3346**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8331, 76.8171, 84.3346.



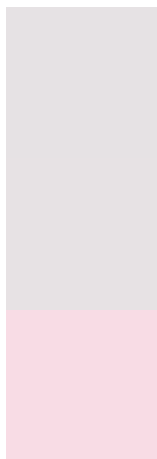
This preview shows how white text looks on a background with the XYZ color 73.8331, 76.8171,

84.3346.

# 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

73.8331, 76.8171, 84.3346

### Protanopia

74.1549, 76.9831, 84.3496

### Deuteranopia

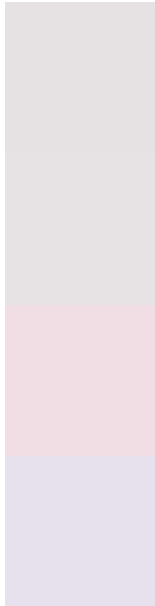
78.4475, 76.8000, 84.8180



## Tritanopia

75.9614, 76.8779, 94.8397

# Trichromacy



## Original Color

73.8331, 76.8171, 84.3346

## Protanomaly

74.1549, 76.9831, 84.3496

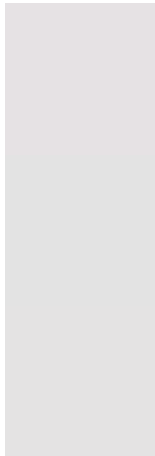
## Deuteranomaly

76.5398, 76.6005, 84.8800

## Tritanomaly

75.1663, 76.9538, 91.0126

# Monochromacy



## Original Color

73.8331, 76.8171, 84.3346

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.3291, 76.9782, 83.6665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8331, 76.8171, 84.3346 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, 226, 228) looks like.

```
.text, #text, p{  
    color:rgb(230, 226, 228)  
}
```

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, 226, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 226, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8331, 76.8171, 84.3346 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, 226, 228) }
```



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

```
.border{ border-color:rgb(230, 226, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 226, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 226, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 226, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 226,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8331, 76.8171, 84.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 226, 228) }
```

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

```
.background{ background-color: rgb(230,  
226, 228) }
```

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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