

# Converting Colors

XYZ(73.2819, 76.4099, 83.5343)

Have a look what the booklet for  
XYZ(73.2819, 76.4099, 83.5343)  
contains.

<b>XYZ(73.3746, 76.5968, 83.5904)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(73.3746, 76.5968,  
83.5904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E2E3
RGB	229, 226, 227
RGB Percent	90%, 89%, 89%
CMY	0.1020, 0.1137, 0.1098
CMYK	0.00, 0.01, 0.01, 0.10
HSL	340°, 5%, 89%
HSV	340°, 1%, 90%
XYZ	73.3746, 76.5968, 83.5904
YIQ	227.0110, 1.4670, 0.9470

# Conversions

## Conversions Part 2

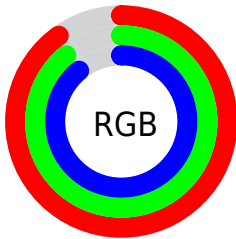
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 226, 227
Decimal	15065827
CIE Lab	90.14, 1.19, -0.14
CIE LCh	90, 1.202, 353.385
Yxy	76.5968, 0.3142, 0.3280
Android (android.graphics.Color)	4293255907 (0xFFE5E2E3)
YUV	227.0110, -0.0054, 1.7444
Hunter-Lab	87.5196, -3.5086, 4.6355

# Details

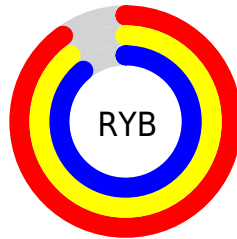
The XYZ color **73.3746, 76.5968, 83.5904** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3898, 77.8108, 84.5537**, and the grayscale version is **73.0228, 76.8257, 83.6632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4649, 41.1030, 44.8834** is the 20% darker color. If you saturate the color by 10%, you get **65.5421, 64.1590, 71.0281**, and if you desaturate by 10%, it is **82.2305, 90.7795, 97.4200**.

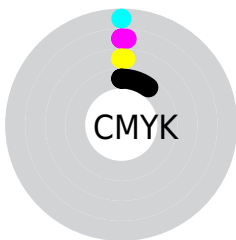
# Distribution



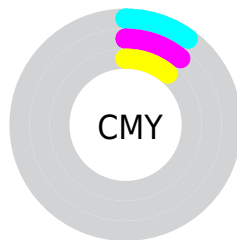
- Red (90%)
- Green (89%)
- Blue (89%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3746, 76.5968, 83.5904 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 73.3746, 76.5968, 83.5904 by changing the saturation by 10% instead.



■ 73.3746, 76.5968,  
83.5904

■ 73.3746, 76.5968,  
83.5904

461.3958,  
483.3882, 526.9745

■ 54.5718, 56.9220,  
62.1339

123.0091,  
128.5702, 140.2587

■ 39.2915, 40.9426,  
44.7044

154.5716,  
161.6375, 176.3075

■ 27.1683, 28.2743,  
30.8834

191.1179,  
199.9379, 218.0576

■ 17.8369, 18.5325,  
20.2524

233.0135,  
243.8556, 265.9273

■ 10.9319, 11.3330,  
12.3927

280.6238,  
293.7751, 320.3354

■ 6.0880, 6.2913,  
6.8860

334.3140,

■ 2.9399, 3.0230,

350.0808, 381.7002

3.3135

394.4495,  
413.1570, 450.4404

■ 1.1220, 1.1437,  
1.2569

■ 0.0434, 0.0150,  
0.0260

■ 73.3746, 76.5968,  
83.5904

■ 73.3746, 76.5968,  
83.5904

■ 65.5421, 64.1590,  
71.0281

■ 82.2305, 90.7795,  
97.4200

■ 58.6888, 53.3887,  
59.6918

■ 86.1236, 95.3983,  
108.4823

■ 52.7771, 44.2175,  
49.5447

■ 47.7642, 36.5684,  
40.5468

■ 43.6040, 30.3579,  
32.6552

■ 40.2460, 25.4945,  
25.8245

■ 37.6342, 21.8761,  
20.0057

■ 35.7050, 19.3857,  
15.1451

■ 34.3828, 17.8835,  
11.1831

# Harmonies

## Analogous

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



73.2646, 76.5968, 84.3852



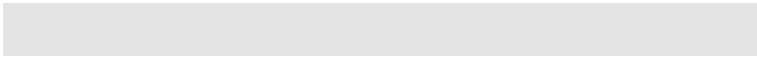
73.3746, 76.5968, 83.5904



73.3311, 76.5968, 82.7502

# Triad

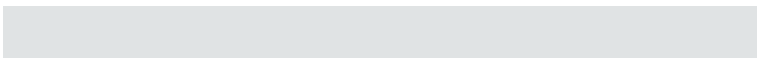
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3746, 76.5968, 83.5904



72.5754, 76.5968, 81.9012



72.4612, 76.5968, 84.7273

# Complementary

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



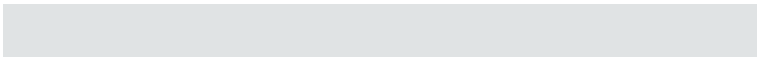
73.3746, 76.5968, 83.5904



73.3898, 77.8108, 84.5537

# Split Complementary

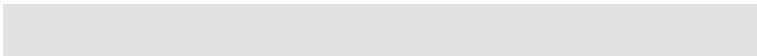
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2774, 76.5968, 84.0550



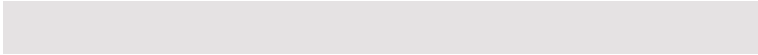
73.3746, 76.5968, 83.5904



72.3432, 76.5968, 82.4243

# Square

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



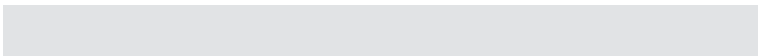
73.3746, 76.5968, 83.5904



72.8691, 76.5968, 81.7787



72.2343, 76.5968, 83.2117



72.7369, 76.5968, 85.0444



# Rectangle

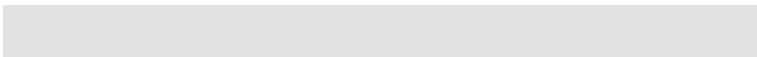
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



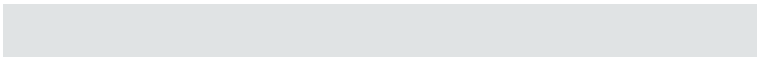
73.3746, 76.5968, 83.5904



73.2209, 76.5968, 82.2769



72.2343, 76.5968, 83.2117



72.3866, 76.5968, 84.5351

# Sweetspot

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



73.3768, 76.6001, 83.5921

95.0500, 100.0000, 108.9000



73.3367, 76.5474, 85.0397



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

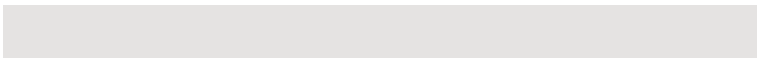
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3768, 76.6001, 83.5921



92.9012, 96.5717, 105.5035



73.3756, 76.8172, 82.9154



15.8748, 16.5141, 18.0380



19.2734, 9.8436, 5.0685



1.4661, 0.7441, 0.5948



# Inverse Universe

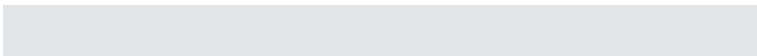
The Inverse Universe completely reimagines the original color for something new.



73.3768, 76.6001, 83.5921



92.9012, 96.5717, 105.5035



73.3906, 77.5904, 85.2382



15.8748, 16.5141, 18.0380



19.2734, 9.8436, 5.0685

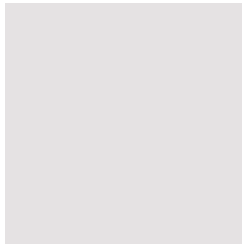


1.4661, 0.7441, 0.5948



# Previews

## White Background



This preview shows how the XYZ color 73.3746, 76.5968, 83.5904 looks on a white background.

## Color Contrast Check

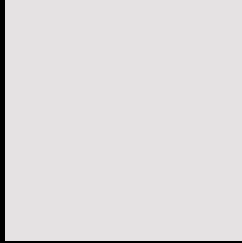
Large Text (above 18pt) WCAG AA × Fail

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 73.3746, 76.5968, 83.5904 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

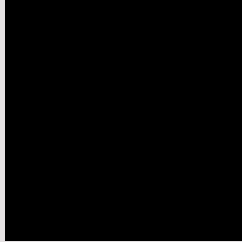
Any Text WCAG AAA ✓ Pass

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

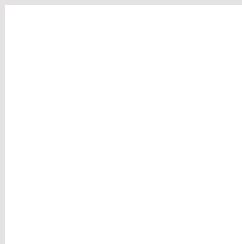


# XYZ 73.3746, 76.5968, 83.5904

## Background



This preview shows how black text looks on a background with the XYZ color 73.3746, 76.5968, 83.5904.



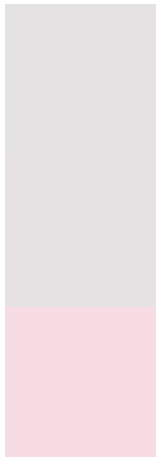
This preview shows how white text looks on a background with the XYZ color 73.3746, 76.5968,



# 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

73.3746, 76.5968, 83.5904

### Protanopia

73.6946, 76.7618, 83.6054

### Deuteranopia

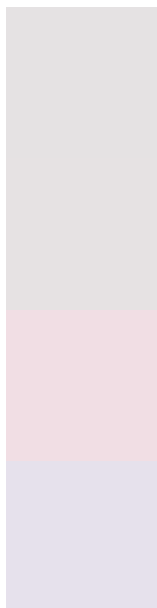
78.3082, 76.7443, 84.0846



## Tritanopia

75.4878, 76.6511, 94.0356

# Trichromacy



## Original Color

73.3746, 76.5968, 83.5904

## Protanomaly

73.6946, 76.7618, 83.6054

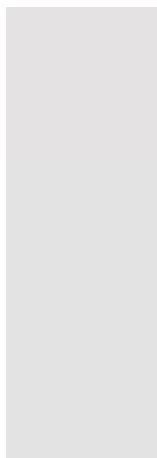
## Deuteranomaly

76.4005, 76.5448, 84.1467

## Tritanomaly

74.6987, 76.7296, 90.2301

# Monochromacy



## Original Color

73.3746, 76.5968, 83.5904

## 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 73.3746, 76.5968, 83.5904 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(229, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3746, 76.5968, 83.5904 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(229, 226, 227) }
```

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

```
.border{ border-color:rgb(229, 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(229, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
227) }
```



# Background

The CSS property to change the background color of an element to XYZ 73.3746, 76.5968, 83.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 227) }
```

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

```
.background{ background-color: rgb(229,  
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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