

# Converting Colors

XYZ(71.5971, 75.2411, 75.9140)

Have a look what the booklet for  
XYZ(71.5971, 75.2411, 75.9140)  
contains.

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# Color

**XYZ(71.6330, 75.4663,  
75.7567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E1D8
RGB	229, 225, 216
RGB Percent	90%, 88%, 85%
CMY	0.1020, 0.1176, 0.1529
CMYK	0.00, 0.02, 0.06, 0.10
HSL	42°, 20%, 87%
HSV	42°, 6%, 90%
XYZ	71.6330, 75.4663, 75.7567
YIQ	225.1700, 5.2730, -1.9510

# Conversions

## Conversions Part 2

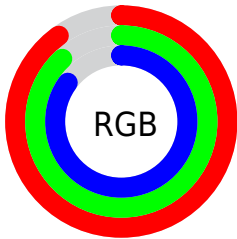
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 229, 216
Decimal	15065560
CIE Lab	89.61, -0.20, 4.87
CIE LCh	90, 4.870, 92.377
Yxy	75.4663, 0.3214, 0.3386
Android (android.graphics.Color)	4293255640 (0xFFE5E1D8)
YUV	225.1700, -4.5208, 3.3589
Hunter-Lab	86.8713, -4.8360, 9.1057

# Details

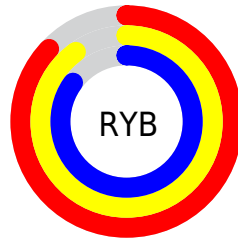
The XYZ color **71.6330, 75.4663, 75.7567** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0549, 71.4414, 84.3324**, and the grayscale version is **71.7209, 75.4560, 82.1716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2633, 40.3213, 39.4843** is the 20% darker color. If you saturate the color by 10%, you get **67.0132, 70.6384, 60.6140**, and if you desaturate by 10%, it is **76.7481, 80.6227, 93.1019**.

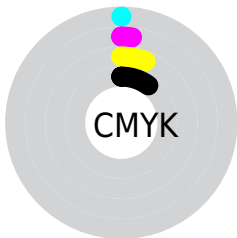
# Distribution



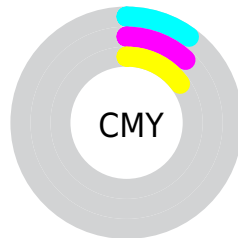
- Red (90%)
- Green (88%)
- Blue (85%)



- Red (87%)
- Yellow (90%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6330, 75.4663, 75.7567 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 71.6330, 75.4663, 75.7567 by changing the saturation by 10% instead.



■ 71.6330, 75.4663,  
75.7567

■ 71.6330, 75.4663,  
75.7567

455.4407,  
479.5188, 499.8391

■ 53.1433, 55.9950,  
55.7276

120.5482,  
126.9722, 129.1399

■ 38.1451, 40.1989,  
39.5820

151.7045,  
159.7756, 163.3310

■ 26.2731, 27.6937,  
26.9015

187.8137,  
197.7918, 203.0798

■ 17.1618, 18.0949,  
17.2675

229.2411,  
241.4052, 248.8050

■ 10.4459, 11.0181,  
10.2614

276.3522,  
291.0002, 300.9249

■ 5.7601, 6.0790,  
5.4648

329.5122,

■ 2.7390, 2.8932,

346.9612, 359.8582

2.4590

389.0866,  
409.6726, 426.0234

■ 1.0173, 1.0762,  
0.8183

■ 0.0000, 0.0000,  
0.0000

■ 71.6330, 75.4663,  
75.7567

■ 71.6330, 75.4663,  
75.7567

■ 67.0132, 70.6384,  
60.6140

■ 76.7481, 80.6227,  
93.1019

■ 62.8645, 66.1206,  
47.5794

■ 81.2545, 85.6601,  
106.8592

■ 59.1700, 61.9070,  
36.5585

■ 83.3566, 89.8643,  
107.5599

■ 55.9091, 57.9878,  
27.4481

■ 85.5398, 94.2308,  
108.2877

■ 53.0595, 54.3525,  
20.1355

■ 86.1235, 95.3982,  
108.4822

■ 50.5967, 50.9897,  
14.4964

■ 48.4930, 47.8867,  
10.3903

■ 46.7163, 45.0289,  
7.6535

■ 45.2273, 42.3990,  
6.0844

# Harmonies

## Analogous

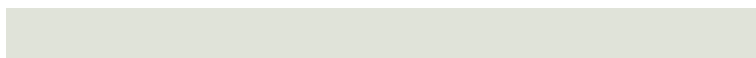
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8012, 75.4663, 76.4654



71.6330, 75.4663, 75.7567



70.5027, 75.4663, 76.7264

# Triad

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



71.6330, 75.4663, 75.7567



69.8016, 75.4663, 85.7515



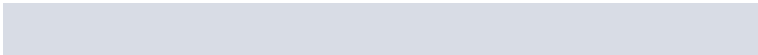
73.7877, 75.4663, 85.2651

# Complementary

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



71.6330, 75.4663, 75.7567



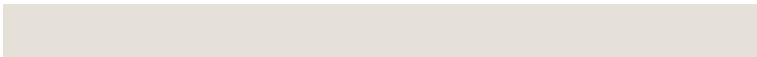
68.0549, 71.4414, 84.3324

# Split Complementary

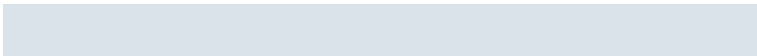
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9684, 75.4663, 87.8651



71.6330, 75.4663, 75.7567



70.6663, 75.4663, 88.1514

# Square

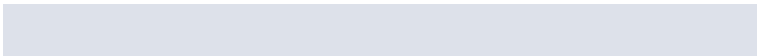
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6330, 75.4663, 75.7567



69.4527, 75.4663, 82.4438



71.8240, 75.4663, 88.9353



74.0534, 75.4663, 81.8968



# Rectangle

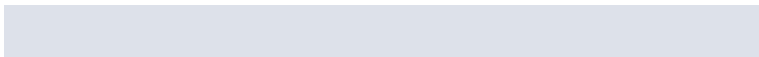
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6330, 75.4663, 75.7567



69.9204, 75.4663, 78.2103



71.8240, 75.4663, 88.9353



73.5674, 75.4663, 86.2611

# Sweetspot

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



71.6351, 75.4696, 75.7583



93.7416, 98.6797, 104.4667



69.8037, 70.9443, 77.8068



20.0783, 21.1354, 22.4066



0.0000, 0.0000, 0.0000

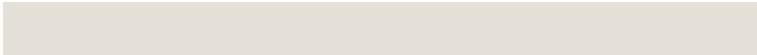


20.3446, 21.4041, 23.3091



# Same Dimension

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



71.6351, 75.4696, 75.7583



90.5826, 95.4523, 93.8856



71.9728, 77.2662, 76.0873



15.4029, 16.2321, 15.8400



25.6368, 23.8477, 3.2519

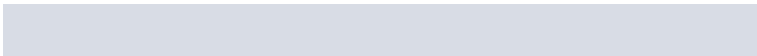


1.9758, 1.9250, 0.2674



# Inverse Universe

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



68.0549, 71.4414, 84.3324



84.9671, 89.1343, 107.3341



67.7280, 69.7346, 84.0202



14.3770, 15.0779, 18.2969



9.4461, 5.9542, 43.0346

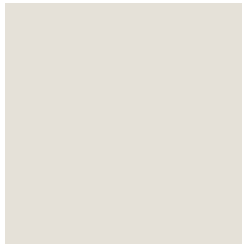


0.7781, 0.6001, 3.2068



# Previews

## White Background



This preview shows how the XYZ color 71.6330, 75.4663, 75.7567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

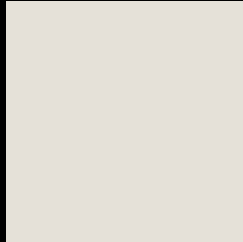
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6330, 75.4663, 75.7567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

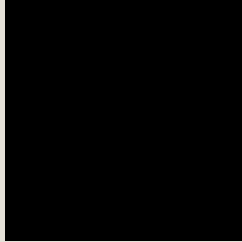
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

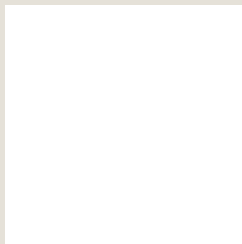
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.6330, 75.4663, 75.7567**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.6330, 75.4663, 75.7567.



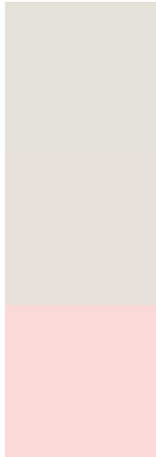
This preview shows how white text looks on a background with the XYZ color 71.6330, 75.4663,

75.7567.

# 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

71.6330, 75.4663, 75.7567

### Protanopia

72.0053, 75.2581, 75.6969

### Deuteranopia

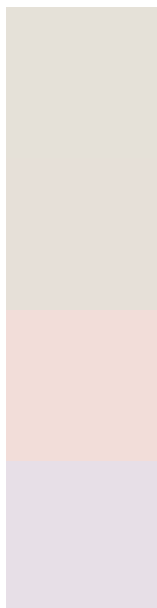
77.0201, 75.4766, 76.1547



## Tritanopia

74.9800, 75.6304, 92.3076

# Trichromacy



## Original Color

71.6330, 75.4663, 75.7567

## Protanomaly

71.6835, 75.0922, 75.6819

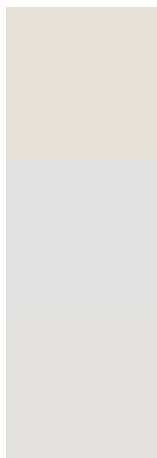
## Deuteranomaly

74.9988, 75.5999, 76.2850

## Tritanomaly

73.7665, 75.5338, 86.2929

# Monochromacy



## Original Color

71.6330, 75.4663, 75.7567

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.4741, 75.2931, 79.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6330, 75.4663, 75.7567 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, 225, 216) looks like.

```
.text, #text, p{  
    color:rgb(229, 225, 216)  
}
```

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, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 225, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6330, 75.4663, 75.7567 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, 225, 216) }
```



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

```
.border{ border-color:rgb(229, 225, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 225, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 225, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 225, 216);  
box-shadow:4px 4px 4px 4px rgb(229, 225,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6330, 75.4663, 75.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 225, 216) }
```

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

```
.background{ background-color: rgb(229,  
225, 216) }
```

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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