

# Converting Colors

XYZ(73.6024, 73.3536, 83.9080)

Have a look what the booklet for  
XYZ(73.6024, 73.3536, 83.9080)  
contains.

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# Color

**XYZ(73.6671, 73.5771,  
83.7179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECDAE4
RGB	236, 218, 228
RGB Percent	93%, 85%, 89%
CMY	0.0745, 0.1451, 0.1059
CMYK	0.00, 0.08, 0.03, 0.07
HSL	327°, 32%, 89%
HSV	327°, 8%, 93%
XYZ	73.6671, 73.5771, 83.7179
YIQ	224.5220, 7.5180, 6.9260

# Conversions

## Conversions Part 2

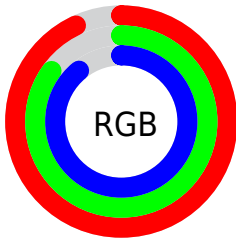
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	236, 218, 228
Decimal	15522532
CIE Lab	88.72, 7.90, -2.67
CIE LCh	89, 8.334, 341.325
Yxy	73.5771, 0.3190, 0.3186
Android (android.graphics.Color)	4293712612 (0xFFE0DAE4)
YUV	224.5220, 1.7147, 10.0662
Hunter-Lab	85.7771, 3.1895, 2.1773

# Details

The XYZ color **73.6671, 73.5771, 83.7179** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.6392, 80.3894, 83.6437**, and the grayscale version is **71.2112, 74.9197, 81.5875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4624, 38.9148, 44.9666** is the 20% darker color. If you saturate the color by 10%, you get **66.5656, 61.6337, 74.3822**, and if you desaturate by 10%, it is **81.7326, 87.3049, 93.8128**.

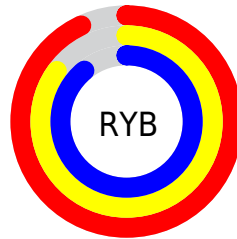
# Distribution



Red (93%)

Green (85%)

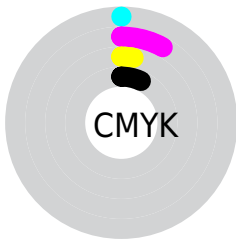
Blue (89%)



Red (93%)

Yellow (85%)

Blue (89%)

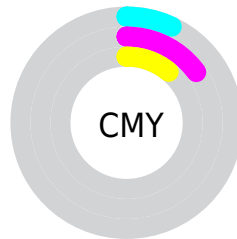


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6671, 73.5771, 83.7179 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 73.6671, 73.5771, 83.7179 by changing the saturation by 10% instead.



73.6671, 73.5771,  
83.7179

73.6671, 73.5771,  
83.7179

462.3917,  
473.0125, 527.4095

54.8119, 54.4480,  
62.2385

123.4218,  
124.2961, 140.4387

39.4844, 38.9599,  
44.7884

155.0521,  
156.6548, 176.5172

27.3192, 26.7286,  
30.9491

191.6714,  
194.1922, 218.2991

17.9509, 17.3695,  
20.3019

233.6452,  
237.2926, 266.2031

11.0142, 10.4983,  
12.4285

281.3388,  
286.3404, 320.6475

6.1438, 5.7306,  
6.9101

335.1174,

2.9742, 2.6819,

341.7201, 382.0511

3.3284

395.3466,  
403.8160, 450.8322

■ 1.1401, 0.9680,  
1.2646

■ 0.0583, 0.0000,  
0.0325

■ 73.6671, 73.5771,  
83.7179

■ 73.6671, 73.5771,  
83.7179

■ 66.5656, 61.6337,  
74.3822

■ 81.7326, 87.3049,  
93.8128

■ 60.3835, 51.3913,  
65.7805

■ 87.4490, 96.1917,  
103.5674

■ 55.0822, 42.7740,  
57.8929

■ 88.4026, 96.5731,  
108.5889

■ 50.6176, 35.6963,  
50.6967

■ 46.9417, 30.0650,  
44.1675

■ 44.0014, 25.7765,  
38.2790

■ 41.7365, 22.7134,  
33.0022

■ 40.0764, 20.7377,  
28.3044

■ 38.9272, 19.6643,  
24.1446

# Harmonies

## Analogous

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



72.5220, 73.5771, 88.7363



73.6671, 73.5771, 83.7179



73.8002, 73.5771, 77.9540

# Triad

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



73.6671, 73.5771, 83.7179



69.1749, 73.5771, 69.7200



67.0640, 73.5771, 87.6642

# Complementary

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



73.6671, 73.5771, 83.7179



72.6392, 80.3894, 83.6437

# 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.



66.2030, 73.5771, 82.3114



73.6671, 73.5771, 83.7179



67.4060, 73.5771, 72.0672

# Square

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



73.6671, 73.5771, 83.7179



71.1805, 73.5771, 70.0561



66.3269, 73.5771, 76.6130



68.6998, 73.5771, 91.0890



# Rectangle

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



73.6671, 73.5771, 83.7179



73.2943, 73.5771, 74.4826



66.3269, 73.5771, 76.6130



66.6758, 73.5771, 86.0201

# Sweetspot

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



73.6692, 73.5803, 83.7195



93.0816, 96.6439, 106.4537



71.5159, 72.3389, 89.5516



19.9439, 20.7209, 22.8112



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.



73.6692, 73.5803, 83.7195



86.5612, 85.5816, 98.1810



72.4786, 73.1041, 77.4500



15.4157, 15.1941, 17.4745



21.3955, 10.7609, 13.1498



1.7284, 0.8643, 1.2870



# Inverse Universe

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



73.6692, 73.5803, 83.7195



86.5612, 85.5816, 98.1810



73.8777, 80.8848, 90.1658



15.4157, 15.1941, 17.4745



21.3955, 10.7609, 13.1498

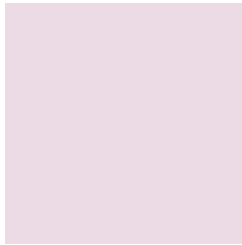


1.7284, 0.8643, 1.2870



# Previews

## White Background



This preview shows how the XYZ color 73.6671, 73.5771, 83.7179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

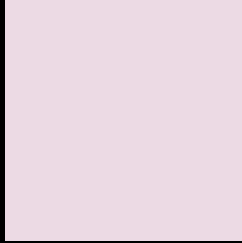
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6671, 73.5771, 83.7179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

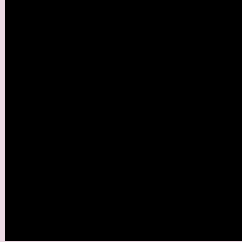
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6671, 73.5771, 83.7179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6671, 73.5771, 83.7179.



This preview shows how white text looks on a background with the XYZ color 73.6671, 73.5771,



# 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

73.6671, 73.5771, 83.7179

### Protanopia

71.4555, 73.9633, 85.3731

### Deuteranopia

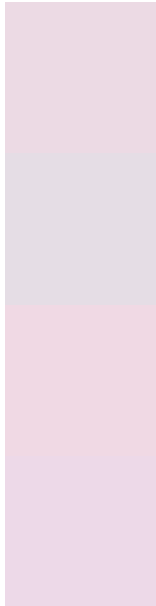
75.1774, 73.5904, 83.6409



## Tritanopia

74.5892, 73.5707, 88.1112

# Trichromacy



## Original Color

73.6671, 73.5771, 83.7179

## Protanomaly

72.3124, 74.0281, 84.6063

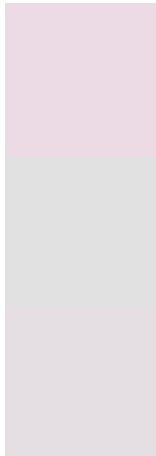
## Deuteranomaly

74.7516, 73.7524, 83.6946

## Tritanomaly

74.3034, 73.4564, 86.6062

# Monochromacy



## Original Color

73.6671, 73.5771, 83.7179

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

72.1618, 74.3916, 82.5072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6671, 73.5771, 83.7179 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(236, 218, 228) looks like.

```
.text, #text, p{  
    color:rgb(236, 218, 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(236, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 218, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6671, 73.5771, 83.7179 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(236, 218, 228) }
```



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

```
.border{ border-color:rgb(236, 218, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 218, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 218, 228);  
box-shadow:4px 4px 4px 4px rgb(236, 218,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6671, 73.5771, 83.7179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 218, 228) }
```

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

```
.background{ background-color: rgb(236,  
218, 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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