

# Converting Colors

XYZ(72.7260, 73.0094, 86.0209)

Have a look what the booklet for  
XYZ(72.7260, 73.0094, 86.0209)  
contains.

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# Color

**XYZ(72.7739, 73.0681,  
85.8693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DAE7
RGB	232, 218, 231
RGB Percent	91%, 85%, 91%
CMY	0.0902, 0.1451, 0.0941
CMYK	0.00, 0.06, 0.00, 0.09
HSL	304°, 23%, 88%
HSV	304°, 6%, 91%
XYZ	72.7739, 73.0681, 85.8693
YIQ	223.6680, 4.1710, 7.0110

# Conversions

## Conversions Part 2

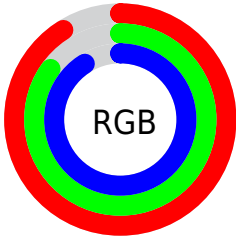
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 218, 231
Decimal	15260391
CIE Lab	88.48, 7.08, -4.64
CIE LCh	88, 8.462, 326.730
Yxy	73.0681, 0.3141, 0.3153
Android (android.graphics.Color)	4293450471 (0xFFE8DAE7)
YUV	223.6680, 3.6147, 7.3072
Hunter-Lab	85.4799, 2.3774, 0.2758

# Details

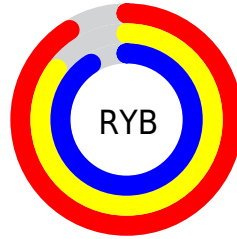
The XYZ color **72.7739, 73.0681, 85.8693** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5590, 77.7351, 78.3070**, and the grayscale version is **70.5893, 74.2655, 80.8751**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7396, 38.5196, 45.9507** is the 20% darker color. If you saturate the color by 10%, you get **66.9416, 61.7754, 82.7765**, and if you desaturate by 10%, it is **79.4547, 86.0521, 89.2577**.

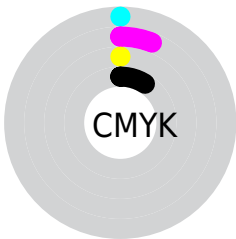
# Distribution



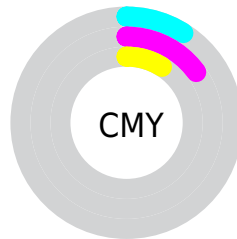
- Red (91%)
- Green (85%)
- Blue (91%)



- Red (91%)
- Yellow (85%)
- Blue (91%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7739, 73.0681, 85.8693 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 72.7739, 73.0681, 85.8693 by changing the saturation by 10% instead.



72.7739, 73.0681,  
85.8693

72.7739, 73.0681,  
85.8693

459.3467,  
471.2508, 534.7196

54.0788, 54.0316,  
64.0056

122.1610,  
123.5739, 143.4720

38.8956, 38.6270,  
46.2090

153.5838,  
155.8120, 180.0481

26.8589, 26.4697,  
32.0609

189.9799,  
193.2195, 222.3655

17.6033, 17.1753,  
21.1428

231.7146,  
236.1807, 270.8426

10.7635, 10.3596,  
13.0362

279.1532,  
285.0800, 325.8980

5.9742, 5.6380,  
7.3225

332.6612,

2.8699, 2.6262,

340.3019, 387.9503

3.5831

392.6040,  
402.2307, 457.4180

■ 1.0853, 0.9399,  
1.3995

■ 0.0128, 0.0000,  
0.1414

■ 72.7739, 73.0681,  
85.8693

■ 72.7739, 73.0681,  
85.8693

■ 66.9416, 61.7754,  
82.7765

■ 79.4547, 86.0521,  
89.2577

■ 61.9167, 52.0950,  
79.9628

■ 83.9360, 94.6348,  
91.9230

■ 57.6642, 43.9557,  
77.4174

■ 84.1758, 94.7307,  
93.1855

■ 54.1437, 37.2772,  
75.1269

■ 84.4177, 94.8275,  
94.4597

51.3117, 31.9720,  
73.0767

84.6619, 94.9252,  
95.7458

49.1197, 27.9433,  
71.2507

84.9084, 95.0237,  
97.0436

47.5130, 25.0817,  
69.6305

85.1571, 95.1232,  
98.3534

46.4277, 23.2594,  
68.1948

85.4081, 95.2236,  
99.6750

45.7846, 22.3181,  
66.9172

85.6614, 95.3249,  
101.0086

# Harmonies

## Analogous

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



71.2248, 73.0681, 89.9985



72.7739, 73.0681, 85.8693



73.4313, 73.0681, 80.2001

# Triad

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



72.7739, 73.0681, 85.8693



69.6726, 73.0681, 68.8819



66.0109, 73.0681, 84.7089

# Complementary

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



72.7739, 73.0681, 85.8693



70.5590, 77.7351, 78.3070

# 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.



65.6134, 73.0681, 78.9209



72.7739, 73.0681, 85.8693



67.7030, 73.0681, 69.9593

# Square

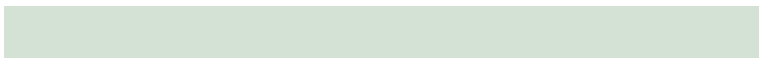
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7739, 73.0681, 85.8693



71.6189, 73.0681, 70.5480



66.2270, 73.0681, 73.5652



67.3235, 73.0681, 89.3059



# Rectangle

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



72.7739, 73.0681, 85.8693



73.2661, 73.0681, 76.3748



66.2270, 73.0681, 73.5652



65.7670, 73.0681, 82.8300

# Sweetspot

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



72.7760, 73.0713, 85.8709



93.3859, 96.7656, 108.0562



68.8334, 71.0224, 86.4258



20.0059, 20.7457, 23.1373



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.



72.7760, 73.0713, 85.8709



89.4130, 89.0534, 106.0114



71.8161, 72.6873, 80.8160



15.1899, 15.0646, 18.0549



25.3348, 12.2681, 36.9876



1.8855, 0.9119, 2.8038



# Inverse Universe

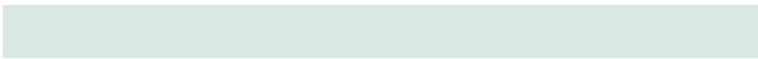
The Inverse Universe completely reimagines the original color for something new.



72.7760, 73.0713, 85.8709



89.4130, 89.0534, 106.0114



71.4908, 78.1078, 83.2142



15.1899, 15.0646, 18.0549



25.3348, 12.2681, 36.9876

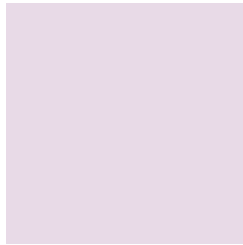


1.8855, 0.9119, 2.8038



# Previews

## White Background



This preview shows how the XYZ color 72.7739, 73.0681, 85.8693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

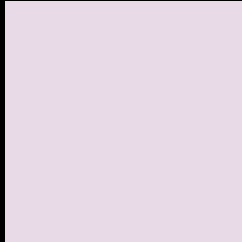
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7739, 73.0681, 85.8693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

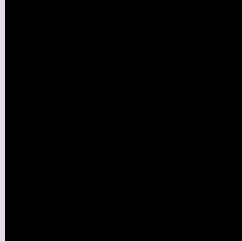
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

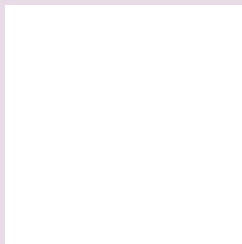
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7739, 73.0681, 85.8693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7739, 73.0681, 85.8693.



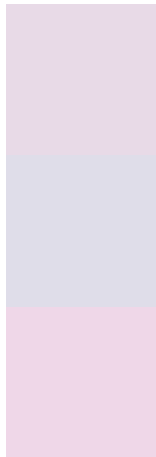
This preview shows how white text looks on a background with the XYZ color 72.7739, 73.0681,



# 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

72.7739, 73.0681, 85.8693

### Protanopia

70.9959, 73.2841, 87.4942

### Deuteranopia

74.4625, 72.7778, 86.4669



## Tritanopia

73.4125, 72.9475, 88.8083

# Trichromacy



## Original Color

72.7739, 73.0681, 85.8693

## Protanomaly

71.5227, 73.1813, 86.6997

## Deuteranomaly

73.7134, 72.7708, 86.5050

## Tritanomaly

73.2684, 72.8899, 88.0494

# Monochromacy



## Original Color

72.7739, 73.0681, 85.8693

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.6650, 74.1195, 83.2024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7739, 73.0681, 85.8693 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(232, 218, 231) looks like.

```
.text, #text, p{  
    color:rgb(232, 218, 231)  
}
```

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(232, 218, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 218, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7739, 73.0681, 85.8693 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(232, 218, 231) }
```



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

```
.border{ border-color:rgb(232, 218, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 218, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 218, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 218, 231);  
box-shadow:4px 4px 4px 4px rgb(232, 218,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7739, 73.0681, 85.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 218, 231) }
```

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

```
.background{ background-color: rgb(232,  
218, 231) }
```

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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