

# Converting Colors

XYZ(73.2839, 75.5220, 80.0346)

Have a look what the booklet for  
XYZ(73.2839, 75.5220, 80.0346)  
contains.

<b>XYZ(73.1768, 75.3729, 79.7988)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(73.1768, 75.3729,  
79.7988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9DFDE
RGB	233, 223, 222
RGB Percent	91%, 87%, 87%
CMY	0.0863, 0.1255, 0.1294
CMYK	0.00, 0.04, 0.05, 0.09
HSL	5°, 20%, 89%
HSV	5°, 5%, 91%
XYZ	73.1768, 75.3729, 79.7988
YIQ	225.8760, 6.2810, 1.8090

# Conversions

## Conversions Part 2

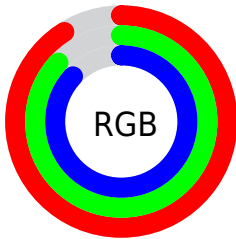
Format	Color
R <sub>Y</sub> B	233, 223, 222
Decimal	15327198
CIE Lab	89.57, 3.23, 1.69
CIE LCh	90, 3.648, 27.657
Yxy	75.3729, 0.3205, 0.3301
Android (android.graphics.Color)	4293517278 (0xFFE9DFDE)
YUV	225.8760, -1.9109, 6.2477
Hunter-Lab	86.8176, -1.4766, 6.2756

# Details

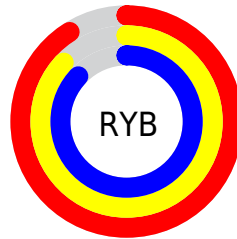
The XYZ color **73.1768, 75.3729, 79.7988** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6888, 79.1250, 88.4807**, and the grayscale version is **72.2111, 75.9718, 82.7332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1091, 40.1424, 42.2462** is the 20% darker color. If you saturate the color by 10%, you get **64.9600, 63.5958, 62.7027**, and if you desaturate by 10%, it is **82.5369, 88.7441, 99.4070**.

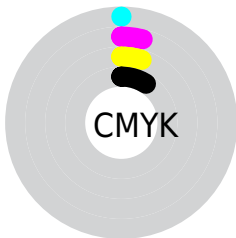
# Distribution



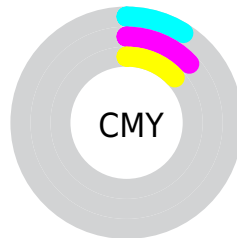
- Red (91%)
- Green (87%)
- Blue (87%)



- Red (91%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1768, 75.3729, 79.7988 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 73.1768, 75.3729, 79.7988 by changing the saturation by 10% instead.



73.1768, 75.3729,  
79.7988

73.1768, 75.3729,  
79.7988

460.7216,  
479.1983, 513.9434

54.4094, 55.9184,  
59.0276

122.7299,  
126.8401, 134.8917

39.1611, 40.1375,  
42.2152

154.2464,  
159.6216, 170.0504

27.0663, 27.6458,  
28.9430

190.7434,  
197.6142, 210.8421

17.7599, 18.0588,  
18.7925

232.5860,  
241.2024, 257.6852

10.8764, 10.9922,  
11.3451

280.1399,  
290.7705, 310.9984

6.0504, 6.0616,  
6.1824

333.7702,

2.9167, 2.8826,

346.7029, 371.2001

2.8857

393.8423,  
409.3841, 438.7089

■ 1.1099, 1.0707,  
1.0366

■ 0.0334, 0.0000,  
0.0000

■ 73.1768, 75.3729,  
79.7988

■ 73.1768, 75.3729,  
79.7988

■ 64.9600, 63.5958,  
62.7027

■ 82.5369, 88.7441,  
99.4070

■ 57.8366, 53.3438,  
48.0124

■ 87.4148, 96.0639,  
108.5427

■ 51.7622, 44.5575,  
35.6215

■ 46.6872, 37.1700,  
25.4134

■ 42.5577, 31.1088,  
17.2615

■ 39.3150, 26.2953,  
11.0261

■ 36.8935, 22.6424,  
6.5501

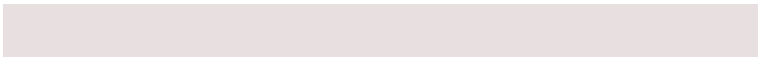
■ 35.2185, 20.0516,  
3.6514

■ 34.2015, 18.4082,  
2.1081

# Harmonies

## Analogous

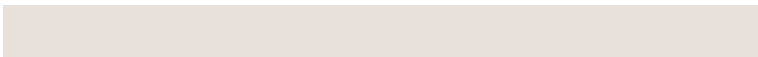
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3752, 75.3729, 82.2702



73.1768, 75.3729, 79.7988



72.5655, 75.3729, 77.9691

# Triad

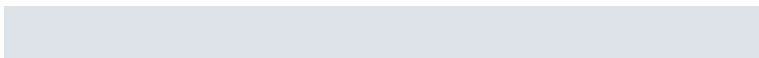
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1768, 75.3729, 79.7988



70.1937, 75.3729, 79.4564



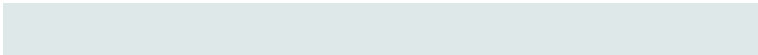
71.5693, 75.3729, 87.0985

# Complementary

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



73.1768, 75.3729, 79.7988



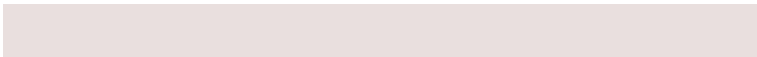
73.6888, 79.1250, 88.4807

# 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.



70.7218, 75.3729, 86.3086



73.1768, 75.3729, 79.7988



69.9317, 75.3729, 81.8667

# Square

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



73.1768, 75.3729, 79.7988



70.8428, 75.3729, 77.7743



70.1242, 75.3729, 84.3804



72.4425, 75.3729, 86.5174



# Rectangle

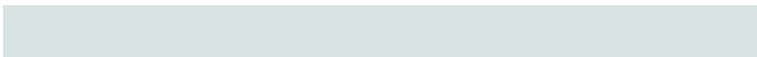
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



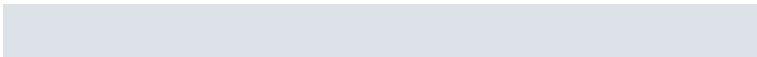
73.1768, 75.3729, 79.7988



72.0086, 75.3729, 77.3412



70.1242, 75.3729, 84.3804



71.2720, 75.3729, 86.9842

# Sweetspot

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



73.1789, 75.3762, 79.8004



93.9073, 98.3672, 106.5071



74.3040, 75.3983, 87.0442



20.1121, 21.0719, 22.8221



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

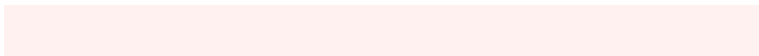


# Same Dimension

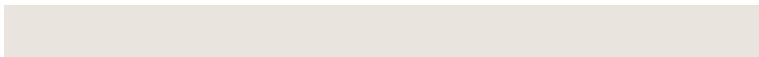
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1789, 75.3762, 79.8004



88.4075, 90.5011, 95.0135



74.6484, 78.3151, 80.2902



15.7001, 16.0258, 16.7589



19.2609, 10.2161, 0.9567

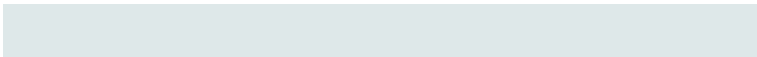


1.5503, 0.8780, 0.0878

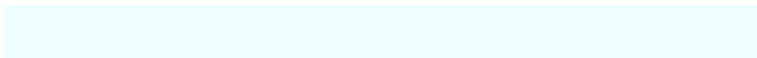


# Inverse Universe

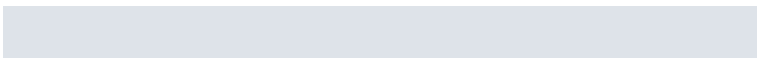
The Inverse Universe completely reimagines the original color for something new.



73.6888, 79.1250, 88.4807



89.1995, 96.3251, 108.4990



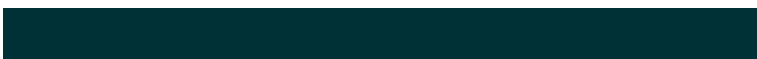
72.1885, 76.1244, 87.9807



15.8552, 17.1664, 19.4000



21.7154, 30.0778, 48.4040

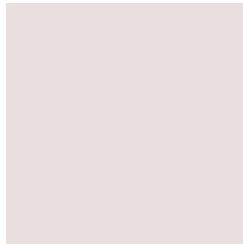


1.7396, 2.4306, 3.8123



# Previews

## White Background



This preview shows how the XYZ color 73.1768, 75.3729, 79.7988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

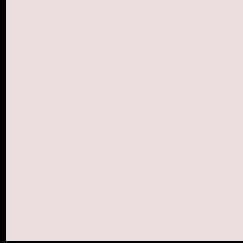
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1768, 75.3729, 79.7988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

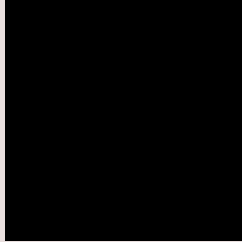
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

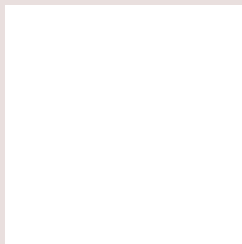
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.1768, 75.3729, 79.7988**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1768, 75.3729, 79.7988.



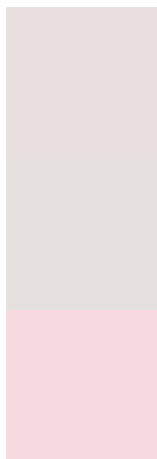
This preview shows how white text looks on a background with the XYZ color 73.1768, 75.3729,



# 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

73.1768, 75.3729, 79.7988

### Protanopia

72.6081, 75.4620, 80.5508

### Deuteranopia

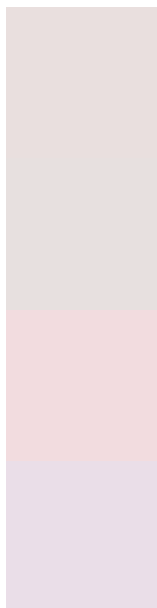
76.7485, 75.2447, 80.2906



## Tritanopia

75.5500, 75.5481, 91.4893

# Trichromacy



## Original Color

73.1768, 75.3729, 79.7988

## Protanomaly

72.9299, 75.6279, 80.5659

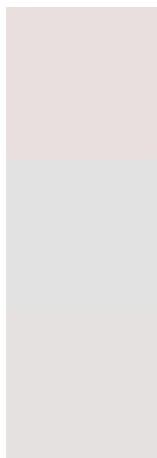
## Deuteranomaly

75.5304, 75.3914, 80.3831

## Tritanomaly

74.6184, 75.5612, 86.9959

# Monochromacy



## Original Color

73.1768, 75.3729, 79.7988

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.8289, 75.9447, 82.0545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1768, 75.3729, 79.7988 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(233, 223, 222) looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 222)  
}
```

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(233, 223, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1768, 75.3729, 79.7988 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(233, 223, 222) }
```



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

```
.border{ border-color:rgb(233, 223, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 223, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1768, 75.3729, 79.7988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 222) }
```

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

```
.background{ background-color: rgb(233,  
223, 222) }
```

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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