

# Converting Colors

XYZ(73.3548, 77.3604, 68.1629)

Have a look what the booklet for  
XYZ(73.3548, 77.3604, 68.1629)  
contains.

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# Color

**XYZ(73.2932, 77.3023,  
68.1846)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDE3CC
RGB	237, 227, 204
RGB Percent	93%, 89%, 80%
CMY	0.0706, 0.1098, 0.2000
CMYK	0.00, 0.04, 0.14, 0.07
HSL	42°, 48%, 86%
HSV	42°, 14%, 93%
XYZ	73.2932, 77.3023, 68.1846
YIQ	227.3680, 13.3430, -5.0330

# Conversions

## Conversions Part 2

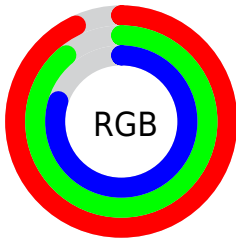
<b>Format</b>	<b>Color</b>
RYB	218, 237, 204
Decimal	15590348
CIELab	90.46, -0.38, 12.44
CIELCh	90, 12.450, 91.729
Yxy	77.3023, 0.3350, 0.3533
Android (android.graphics.Color)	4293780428 (0xFFE3CC)
YUV	227.3680, -11.5204, 8.4473
Hunter-Lab	87.9217, -5.0621, 15.5649

# Details

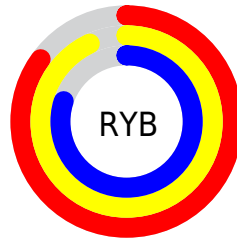
The XYZ color **73.2932, 77.3023, 68.1846** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2343, 67.0436, 89.6766**, and the grayscale version is **73.3577, 77.1781, 84.0469**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3136, 41.5308, 34.7984** is the 20% darker color. If you saturate the color by 10%, you get **68.7422, 72.4080, 53.6944**, and if you desaturate by 10%, it is **78.3629, 82.5402, 84.9836**.

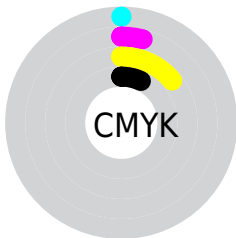
# Distribution



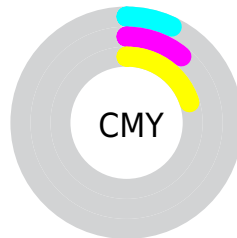
- Red (93%)
- Green (89%)
- Blue (80%)



- Red (85%)
- Yellow (93%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2932, 77.3023, 68.1846 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 73.2932, 77.3023, 68.1846 by changing the saturation by 10% instead.



73.2932, 77.3023,  
68.1846

73.2932, 77.3023,  
68.1846

461.1184,  
485.7941, 472.7656

54.5050, 57.5010,  
49.5803

122.8942,  
129.5661, 118.2729

39.2378, 41.4076,  
34.7112

154.4378,  
162.7974, 150.5940

27.1263, 28.6377,  
23.1587

190.9638,  
201.2742, 188.3244

17.8052, 18.8069,  
14.5043

232.8376,  
245.3809, 231.8827

10.9091, 11.5309,  
8.3295

280.4247,  
295.5018, 281.6874

6.0726, 6.4251,  
4.2157

334.0902,

2.9303, 3.1052,

352.0214, 338.1571

1.7444

394.1997,  
415.3240, 401.7103

■ 1.1170, 1.1869,  
0.3909

■ 0.0393, 0.0510,  
0.0000

■ 73.2932, 77.3023,  
68.1846

■ 73.2932, 77.3023,  
68.1846

■ 68.7422, 72.4080,  
53.6944

■ 78.3629, 82.5402,  
84.9836

■ 64.6832, 67.8374,  
41.4050

■ 83.9642, 88.1207,  
104.1829

■ 61.0962, 63.5834,  
31.2073

■ 86.7094, 92.6928,  
107.9292

■ 57.9574, 59.6348,  
22.9809

■ 88.7353, 96.7447,  
108.6045

■ 55.2405, 55.9796,  
16.5928

■ 52.9163, 52.6042,  
11.8935

■ 50.9509, 49.4934,  
8.7101

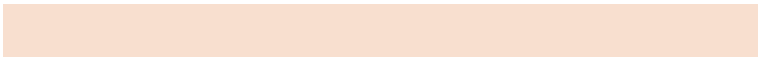
■ 49.3031, 46.6289,  
6.8316

■ 48.4194, 44.9929,  
6.1325

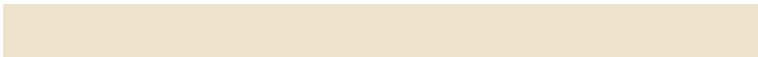
# Harmonies

## Analogous

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



76.3425, 77.3023, 69.9684



73.2932, 77.3023, 68.1846



70.3732, 77.3023, 70.4263

# Triad

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



73.2932, 77.3023, 68.1846



68.5036, 77.3023, 93.5012



78.8672, 77.3023, 92.5443

# Complementary

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



73.2932, 77.3023, 68.1846



64.2343, 67.0436, 89.6766

# 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.



76.6636, 77.3023, 99.5925



73.2932, 77.3023, 68.1846



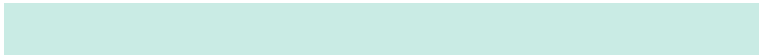
70.6773, 77.3023, 100.1718

# Square

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



73.2932, 77.3023, 68.1846



67.6568, 77.3023, 84.6870



73.6541, 77.3023, 102.4747

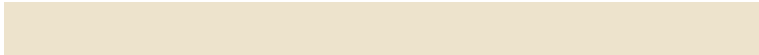


79.6145, 77.3023, 83.6533



# Rectangle

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



73.2932, 77.3023, 68.1846



68.8779, 77.3023, 74.0006



73.6541, 77.3023, 102.4747



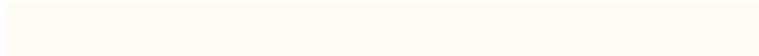
78.2692, 77.3023, 95.2288

# Sweetspot

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



73.2953, 77.3057, 68.1862



92.4732, 97.4050, 100.1534



68.7140, 66.0694, 73.0521



19.6918, 20.7458, 21.0958



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.



73.2953, 77.3057, 68.1862



84.7929, 89.4226, 74.8473



74.1229, 81.9094, 69.0312



15.9445, 16.8121, 15.9234



26.5558, 24.8058, 3.3884



2.1692, 2.1157, 0.2940



# Inverse Universe

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



64.2343, 67.0436, 89.6766



71.9664, 74.8968, 105.2712



63.4725, 63.0102, 88.9382



14.6032, 15.2928, 19.1044



9.7041, 6.0553, 44.4003

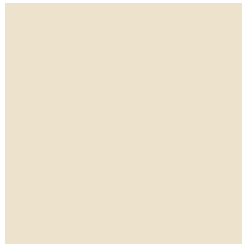


0.8439, 0.6393, 3.5138



# Previews

## White Background



This preview shows how the XYZ color 73.2932, 77.3023, 68.1846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

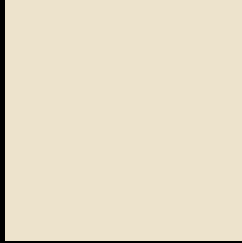
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2932, 77.3023, 68.1846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

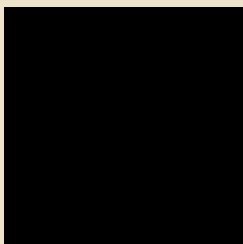
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

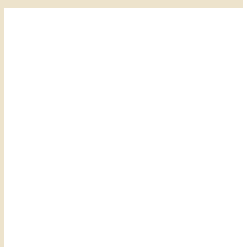
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.2932, 77.3023, 68.1846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.2932, 77.3023, 68.1846.



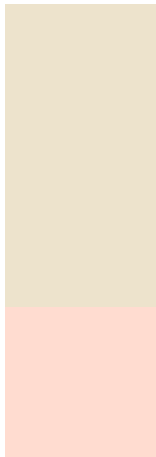
This preview shows how white text looks on a background with the XYZ color 73.2932, 77.3023,



# 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

73.2932, 77.3023, 68.1846

### Protanopia

73.2932, 77.3023, 68.1846

### Deuteranopia

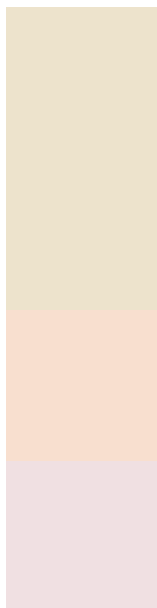
78.2184, 77.0005, 70.4145



## Tritanopia

78.3192, 77.3518, 92.4639

# Trichromacy



## Original Color

73.2932, 77.3023, 68.1846

## Protanomaly

73.2932, 77.3023, 68.1846

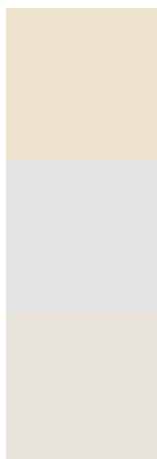
## Deuteranomaly

76.3616, 77.2368, 69.9150

## Tritanomaly

76.3183, 77.3276, 82.8548

# Monochromacy



## Original Color

73.2932, 77.3023, 68.1846

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.2103, 77.0416, 78.0297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2932, 77.3023, 68.1846 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(237, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(237, 227, 204)  
}
```

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(237, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 227, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2932, 77.3023, 68.1846 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(237, 227, 204) }
```



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

```
.border{ border-color:rgb(237, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(237, 227,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2932, 77.3023, 68.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 227, 204) }
```

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

```
.background{ background-color: rgb(237,  
227, 204) }
```

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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