

# Converting Colors

XYZ(78.0781, 83.5973, 72.7975)

Have a look what the booklet for  
XYZ(78.0781, 83.5973, 72.7975)  
contains.

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# Color

**XYZ(77.9039, 83.3448,  
72.9539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1ECD2
RGB	241, 236, 210
RGB Percent	95%, 93%, 82%
CMY	0.0549, 0.0745, 0.1765
CMYK	0.00, 0.02, 0.13, 0.05
HSL	50°, 53%, 88%
HSV	50°, 13%, 95%
XYZ	77.9039, 83.3448, 72.9539
YIQ	234.5310, 11.3260, -7.0260

# Conversions

## Conversions Part 2

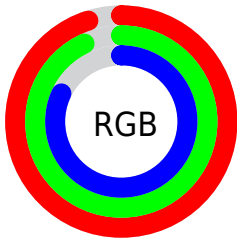
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 241, 210
Decimal	15854802
CIE Lab	93.17, -2.61, 13.21
CIE LCh	93, 13.463, 101.195
Yxy	83.3448, 0.3326, 0.3559
Android (android.graphics.Color)	4294044882 (0xFFF1ECD2)
YUV	234.5310, -12.0938, 5.6733
Hunter-Lab	91.2934, -7.4430, 16.5258

# Details

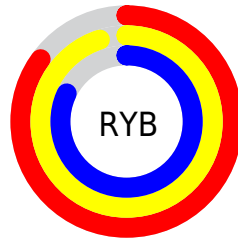
The XYZ color **77.9039, 83.3448, 72.9539** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.7557, 68.6520, 92.9525**, and the grayscale version is **78.6940, 82.7922, 90.1607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3296, 45.3571, 37.9763** is the 20% darker color. If you saturate the color by 10%, you get **74.0195, 80.0242, 57.9446**, and if you desaturate by 10%, it is **82.2693, 86.9022, 90.3564**.

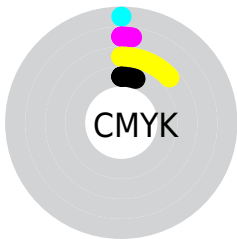
# Distribution



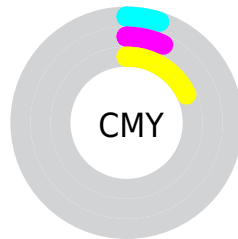
- Red (95%)
- Green (93%)
- Blue (82%)



- Red (85%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9039, 83.3448, 72.9539 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 77.9039, 83.3448, 72.9539 by changing the saturation by 10% instead.



77.9039, 83.3448,  
72.9539

77.9039, 83.3448,  
72.9539

476.6852,  
506.1349, 489.9215

58.2975, 62.4746,  
53.4467

129.3807,  
138.0583, 125.1321

42.2921, 45.4163,  
37.7693

161.9819,  
172.6704, 158.6401

29.5222, 31.7855,  
25.5032

199.6454,  
212.6319, 197.6521

19.6225, 21.1977,  
16.2300

242.7366,  
258.3273, 242.5867

12.2276, 13.2686,  
9.5309

291.6208,  
310.1409, 293.8624

6.9722, 7.6138,  
4.9876

346.6634,

3.4909, 3.8488,

368.4571, 351.8978

2.1813

408.2298,  
433.6603, 417.1113

■ 1.4183, 1.5894,  
0.6636

■ 0.2692, 0.3504,  
0.0000

■ 77.9039, 83.3448,  
72.9539

■ 77.9039, 83.3448,  
72.9539

■ 74.0195, 80.0242,  
57.9446

■ 82.2693, 86.9022,  
90.3564

■ 70.5892, 76.9211,  
45.2168

■ 86.6082, 90.4854,  
107.5084

■ 67.5932, 74.0302,  
34.6583

■ 87.7876, 92.8442,  
107.9016

■ 65.0080, 71.3417,  
26.1449

■ 88.9917, 95.2525,  
108.3030

■ 62.8074, 68.8450,  
19.5401

■ 90.0859, 97.4409,  
108.6677

■ 60.9622, 66.5281,  
14.6903

■ 59.4385, 64.3773,  
11.4188

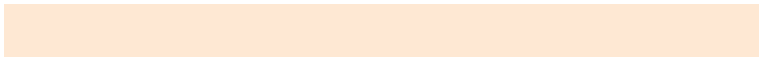
■ 58.1956, 62.3758,  
9.5111

■ 57.4359, 61.0209,  
8.7510

# Harmonies

## Analogous

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



81.4289, 83.3448, 73.5338



77.9039, 83.3448, 72.9539



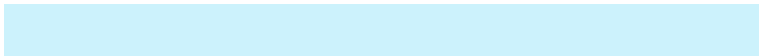
74.8221, 83.3448, 76.8691

# Triad

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



77.9039, 83.3448, 72.9539



74.2094, 83.3448, 104.1881



85.8295, 83.3448, 97.1717

# Complementary

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



77.9039, 83.3448, 72.9539



66.7557, 68.6520, 92.9525

# Split Complementary

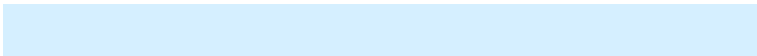
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7802, 83.3448, 106.2050



77.9039, 83.3448, 72.9539



77.0450, 83.3448, 110.4593

# Square

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



77.9039, 83.3448, 72.9539



72.7318, 83.3448, 94.5819



80.5442, 83.3448, 111.2238



86.0761, 83.3448, 87.0198



# Rectangle

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



77.9039, 83.3448, 72.9539



73.4065, 83.3448, 81.6847



80.5442, 83.3448, 111.2238



85.3258, 83.3448, 100.4587

# Sweetspot

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



77.9062, 83.3485, 72.9557



92.9288, 98.3162, 100.3053



71.6103, 69.7099, 74.0845



19.8074, 20.9770, 21.1344



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.



77.9062, 83.3485, 72.9557



87.5571, 93.9072, 78.9864



75.9365, 84.4980, 73.2814



16.8934, 17.9999, 16.7337



31.2298, 33.2576, 4.7734



2.6554, 2.8815, 0.4162



# Inverse Universe

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



66.7557, 68.6520, 92.9525



72.9555, 74.6624, 105.1739



68.5410, 67.7129, 92.6771



15.1030, 15.6400, 19.9444



9.0637, 4.3515, 45.4901

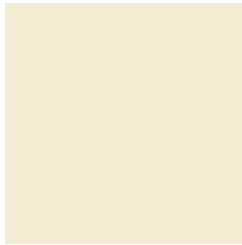


0.8144, 0.4827, 3.8045



# Previews

## White Background



This preview shows how the XYZ color 77.9039, 83.3448, 72.9539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

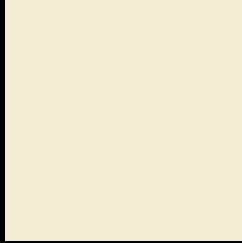
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9039, 83.3448, 72.9539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

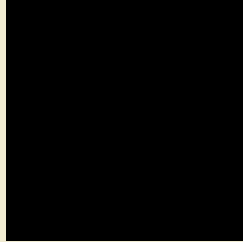
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

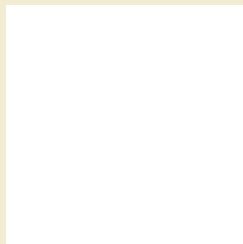
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.9039, 83.3448, 72.9539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9039, 83.3448, 72.9539.



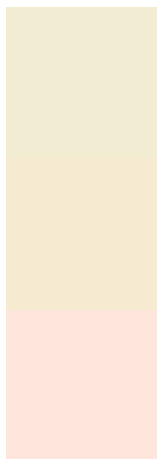
This preview shows how white text looks on a background with the XYZ color 77.9039, 83.3448,

72.9539.

# 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

77.9039, 83.3448, 72.9539

### Protanopia

79.2230, 83.6129, 72.2850

### Deuteranopia

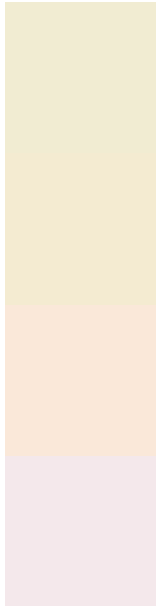
82.5880, 83.0741, 80.0887



## Tritanopia

83.4017, 83.0260, 101.2524

# Trichromacy



## Original Color

77.9039, 83.3448, 72.9539

## Protanomaly

78.5252, 83.2532, 72.2524

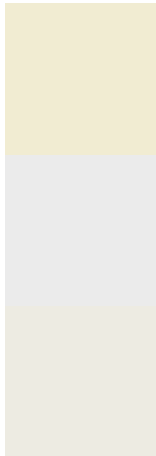
## Deuteranomaly

80.8053, 83.0470, 77.4164

## Tritanomaly

81.1602, 82.9445, 90.3295

# Monochromacy



## Original Color

77.9039, 83.3448, 72.9539

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.3609, 82.9122, 83.8251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9039, 83.3448, 72.9539 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(241, 236, 210)` looks like.

```
.text, #text, p{  
    color:rgb(241, 236, 210)  
}
```

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(241, 236, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 236, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9039, 83.3448, 72.9539 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(241, 236, 210) }
```



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

```
.border{ border-color:rgb(241, 236, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 236, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 236, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 236, 210);  
box-shadow:4px 4px 4px 4px rgb(241, 236,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9039, 83.3448, 72.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 236, 210) }
```

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

```
.background{ background-color: rgb(241,  
236, 210) }
```

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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