

# Converting Colors

XYZ(77.2180, 78.0728, 88.8127)

Have a look what the booklet for  
XYZ(77.2180, 78.0728, 88.8127)  
contains.

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# Color

**XYZ(77.3731, 78.1417,  
88.8468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE1EA
RGB	239, 225, 234
RGB Percent	94%, 88%, 92%
CMY	0.0627, 0.1176, 0.0823
CMYK	0.00, 0.06, 0.02, 0.06
HSL	321°, 30%, 91%
HSV	321°, 6%, 94%
XYZ	77.3731, 78.1417, 88.8468
YIQ	230.2120, 5.4550, 5.7670

# Conversions

## Conversions Part 2

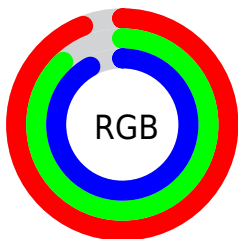
Format	Color
<b>R<sub>YB</sub></b>	239, 225, 234
Decimal	15720938
CIE Lab	90.84, 6.32, -2.68
CIE LCh	91, 6.867, 337.054
Yxy	78.1417, 0.3166, 0.3198
Android (android.graphics.Color)	4293911018 (0xFFEFE1EA)
YUV	230.2120, 1.8675, 7.7071
Hunter-Lab	88.3978, 1.5419, 2.2873

# Details

The XYZ color **77.3731, 78.1417, 88.8468** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2037, 83.4557, 86.9592**, and the grayscale version is **75.3564, 79.2808, 86.3368**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9390, 42.0311, 48.0219** is the 20% darker color. If you saturate the color by 10%, you get **70.1623, 65.6351, 80.5371**, and if you desaturate by 10%, it is **85.5519, 92.4874, 97.7727**.

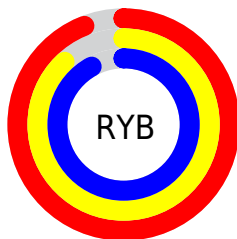
# Distribution



Red (94%)

Green (88%)

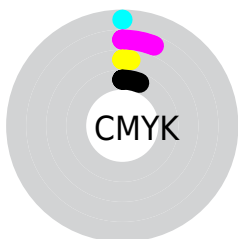
Blue (92%)



Red (94%)

Yellow (88%)

Blue (92%)

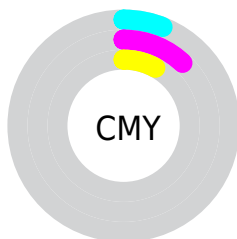


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (6%)



Cyan (6%)

Magenta (12%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3731, 78.1417, 88.8468 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 77.3731, 78.1417, 88.8468 by changing the saturation by 10% instead.



77.3731, 78.1417,  
88.8468

77.3731, 78.1417,  
88.8468

474.9076,  
488.6479, 544.7454

57.8601, 58.1904,  
66.4563

128.6361,  
130.7499, 147.6570

41.9390, 41.9617,  
48.1841

161.1168,  
164.1755, 184.9137

29.2445, 29.0713,  
33.6116

198.6508,  
202.8614, 227.9630

19.4110, 19.1348,  
22.3205

241.6034,  
247.1918, 277.2232

12.0734, 11.7677,  
13.8920

290.3401,  
297.5513, 333.1131

6.8663, 6.5857,  
7.9077

345.2261,

3.4242, 3.2044,

354.3243, 396.0510

3.9490

406.6268,  
417.8950, 466.4556

■ 1.3818, 1.2393,  
1.5974

■ 0.2432, 0.0935,  
0.2890

■ 77.3731, 78.1417,  
88.8468

■ 77.3731, 78.1417,  
88.8468

■ 70.1623, 65.6351,  
80.5371

■ 85.5519, 92.4874,  
97.7727

■ 63.8745, 54.8823,  
72.8217

■ 88.7819, 96.8409,  
105.3438

■ 58.4712, 45.8067,  
65.6846

■ 89.4071, 97.0910,  
108.6359

■ 53.9085, 38.3215,  
59.1069

■ 50.1385, 32.3326,  
53.0683

■ 47.1083, 27.7356,  
47.5468

■ 44.7582, 24.4126,  
42.5179

■ 43.0187, 22.2260,  
37.9537

■ 41.8040, 21.0057,  
33.8209

# Harmonies

## Analogous

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



76.2914, 78.1417, 92.9050



77.3731, 78.1417, 88.8468



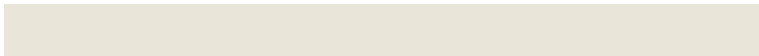
77.6177, 78.1417, 83.9198

# Triad

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



77.3731, 78.1417, 88.8468



73.8641, 78.1417, 75.9849



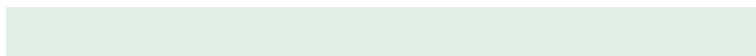
71.6512, 78.1417, 90.9464

# Complementary

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



77.3731, 78.1417, 88.8468



76.2037, 83.4557, 86.9592

# 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.



71.0226, 78.1417, 86.2569



77.3731, 78.1417, 88.8468



72.2873, 78.1417, 77.7129

# Square

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



77.3731, 78.1417, 88.8468



75.5742, 78.1417, 76.6180



71.2536, 78.1417, 81.4271



72.9836, 78.1417, 94.1496

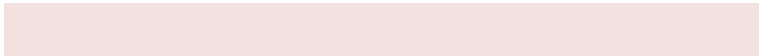


# Rectangle

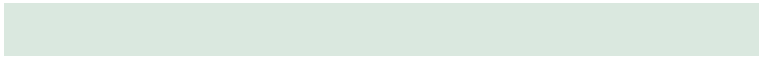
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3731, 78.1417, 88.8468



77.2697, 78.1417, 80.8281



71.2536, 78.1417, 81.4271



71.3516, 78.1417, 89.4847

# Sweetspot

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



77.3753, 78.1451, 88.8485



93.1526, 96.6723, 106.8273



75.1093, 76.8927, 92.5455



19.9584, 20.7267, 22.8873



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

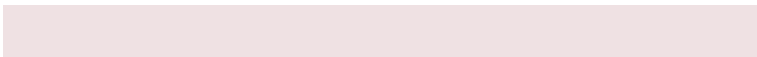
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3753, 78.1451, 88.8485



88.6078, 88.7313, 101.7715



76.4035, 77.7563, 83.7307



16.5063, 16.4617, 18.9603



22.9422, 11.4493, 18.1438



1.9558, 0.9714, 1.7582



# Inverse Universe

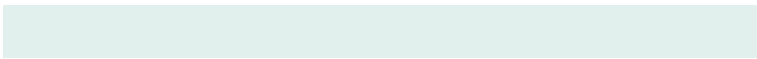
The Inverse Universe completely reimagines the original color for something new.



77.3753, 78.1451, 88.8485



88.6078, 88.7313, 101.7715



77.1918, 83.8510, 92.1621



16.5063, 16.4617, 18.9603



22.9422, 11.4493, 18.1438

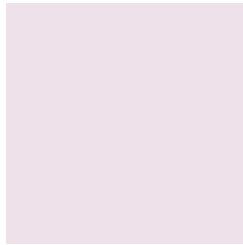


1.9558, 0.9714, 1.7582



# Previews

## White Background



This preview shows how the XYZ color 77.3731, 78.1417, 88.8468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

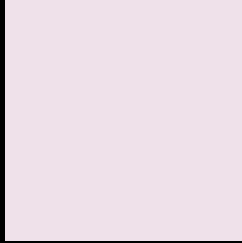
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3731, 78.1417, 88.8468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

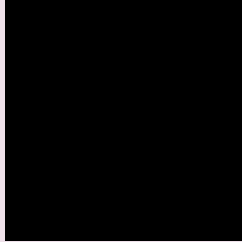
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

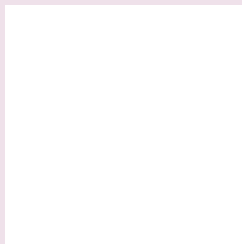
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.3731, 78.1417, 88.8468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3731, 78.1417, 88.8468.



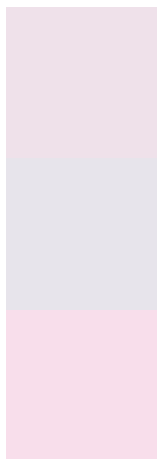
This preview shows how white text looks on a background with the XYZ color 77.3731, 78.1417,

88.8468.

# 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

77.3731, 78.1417, 88.8468

### Protanopia

75.6938, 78.4739, 89.7547

### Deuteranopia

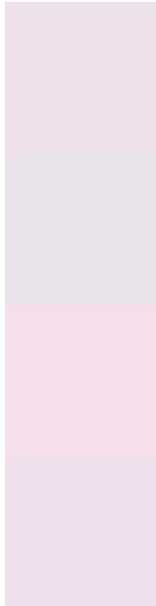
79.8281, 78.1972, 89.4834



## Tritanopia

78.4680, 78.1874, 94.1751

# Trichromacy



## Original Color

77.3731, 78.1417, 88.8468

## Protanomaly

76.3962, 78.4288, 89.7090

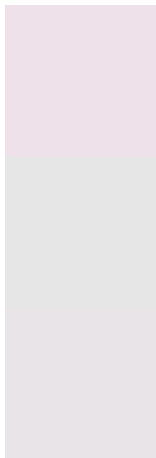
## Deuteranomaly

79.0393, 78.1860, 89.5228

## Tritanomaly

78.0235, 78.0096, 91.8340

# Monochromacy



## Original Color

77.3731, 78.1417, 88.8468

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.7715, 78.5800, 86.7752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3731, 78.1417, 88.8468 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(239, 225, 234) looks like.

```
.text, #text, p{  
    color:rgb(239, 225, 234)  
}
```

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(239, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 225, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3731, 78.1417, 88.8468 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(239, 225, 234) }
```



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

```
.border{ border-color:rgb(239, 225, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 225, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(239, 225,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3731, 78.1417, 88.8468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 225, 234) }
```

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

```
.background{ background-color: rgb(239,  
225, 234) }
```

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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