

# Converting Colors

XYZ(77.0310, 77.5042, 91.6480)

Have a look what the booklet for  
XYZ(77.0310, 77.5042, 91.6480)  
contains.

<b>XYZ(77.0133, 77.4889, 91.7867)</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(77.0133, 77.4889,  
91.7867)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDE0EE
RGB	237, 224, 238
RGB Percent	93%, 88%, 93%
CMY	0.0706, 0.1215, 0.0667
CMYK	0.00, 0.06, 0.00, 0.07
HSL	296°, 29%, 91%
HSV	296°, 6%, 93%
XYZ	77.0133, 77.4889, 91.7867
YIQ	229.4830, 3.2540, 7.1100

# Conversions

## Conversions Part 2

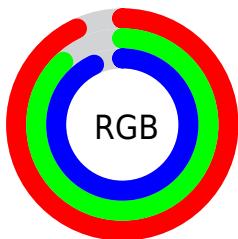
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 224, 238
Decimal	15589614
CIE Lab	90.55, 6.89, -5.23
CIE LCh	91, 8.647, 322.775
Yxy	77.4889, 0.3127, 0.3146
Android (android.graphics.Color)	4293779694 (0xFFE0EE)
YUV	229.4830, 4.1989, 6.5924
Hunter-Lab	88.0278, 2.1166, -0.2023

# Details

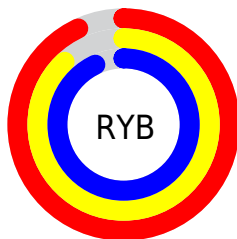
The XYZ color **77.0133, 77.4889, 91.7867** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.0834, 82.5405, 82.4996**, and the grayscale version is **74.8022, 78.6977, 85.7018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6875, 41.5771, 50.0840** is the 20% darker color. If you saturate the color by 10%, you get **70.4951, 65.2904, 89.7768**, and if you desaturate by 10%, it is **84.4366, 91.4874, 94.0986**.

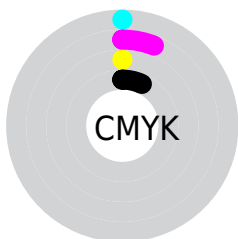
# Distribution



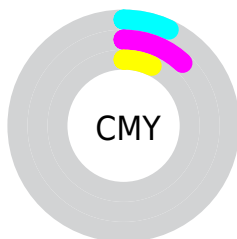
- Red (93%)
- Green (88%)
- Blue (93%)



- Red (93%)
- Yellow (88%)
- Blue (93%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (7%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0133, 77.4889, 91.7867 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 77.0133, 77.4889, 91.7867 by changing the saturation by 10% instead.



77.0133, 77.4889,  
91.7867

77.0133, 77.4889,  
91.7867

473.7006,  
486.4293, 554.5453

57.5638, 57.6542,  
68.8814

128.1310,  
129.8294, 151.7749

41.6999, 41.5307,  
50.1440

160.5299,  
163.1040, 189.6948

29.0565, 28.7340,  
35.1558

197.9759,  
201.6273, 233.4568

19.2681, 18.8797,  
23.4984

240.8344,  
245.7838, 283.4793

11.9693, 11.5834,  
14.7532

289.4708,  
295.9579, 340.1808

6.7948, 6.4607,  
8.5017

344.2504,

3.3793, 3.1272,

352.5339, 403.9800

4.3253

405.5385,  
415.8963, 475.2953

■ 1.3574, 1.1985,  
1.8054

■ 0.2255, 0.0605,  
0.4315

■ 77.0133, 77.4889,  
91.7867

■ 77.0133, 77.4889,  
91.7867

■ 70.4951, 65.2904,  
89.7768

■ 84.4366, 91.4874,  
94.0986

■ 64.8384, 54.8079,  
88.0517

■ 87.2648, 96.2889,  
94.8763

■ 60.0058, 45.9656,  
86.5996

■ 87.8461, 96.5886,  
94.9035

■ 55.9546, 38.6784,  
85.4066

■ 88.4329, 96.8911,  
94.9310

■ 52.6384, 32.8530,  
84.4570

■ 89.0251, 97.1964,  
94.9587

■ 50.0055, 28.3866,  
83.7336

■ 89.6227, 97.5045,  
94.9867

■ 47.9980, 25.1629,  
83.2172

■ 90.2259, 97.8154,  
95.0149

■ 46.5477, 23.0459,  
82.8850

■ 90.8345, 98.1292,  
95.0434

■ 45.5707, 21.8678,  
82.7091

■ 91.4486, 98.4457,  
95.0721

# Harmonies

## Analogous

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



75.2731, 77.4889, 95.8410



77.0133, 77.4889, 91.7867



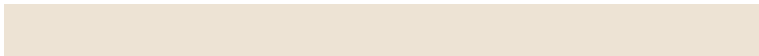
77.8555, 77.4889, 85.8794

# Triad

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



77.0133, 77.4889, 91.7867



74.1753, 77.4889, 73.0961



69.8814, 77.4889, 89.0690

# Complementary

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



77.0133, 77.4889, 91.7867



75.0834, 82.5405, 82.4996

# 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.



69.6005, 77.4889, 82.8828



77.0133, 77.4889, 91.7867



72.0522, 77.4889, 73.8570

# Square

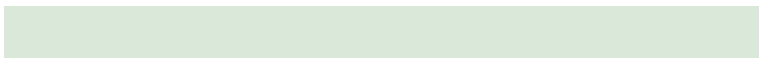
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0133, 77.4889, 91.7867



76.1962, 77.4889, 75.2366



70.3878, 77.4889, 77.3682



71.1629, 77.4889, 94.2190

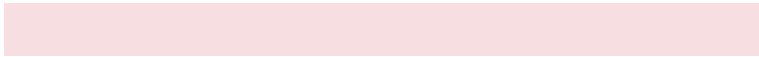


# Rectangle

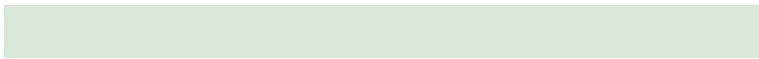
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0133, 77.4889, 91.7867



77.7829, 77.4889, 81.7650



70.3878, 77.4889, 77.3682



69.6679, 77.4889, 87.0343

# Sweetspot

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



77.0155, 77.4922, 91.7884



93.3106, 96.7200, 108.3586



73.1468, 75.9648, 91.6975



19.9905, 20.7364, 23.1989



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.



77.0155, 77.4922, 91.7884



89.1500, 88.8942, 107.0673



76.5072, 77.3276, 87.3638



16.6157, 16.4945, 20.0296



25.2918, 12.0438, 46.1195



2.1372, 1.0190, 3.8383



# Inverse Universe

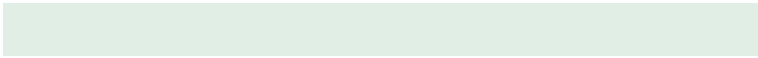
The Inverse Universe completely reimagines the original color for something new.



75.5089, 76.9283, 82.1071



87.0628, 88.1134, 93.6358



75.5772, 82.7021, 86.7229



16.1955, 16.3374, 17.3235



19.7449, 10.1704, 1.3072

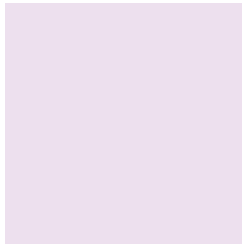


1.6584, 0.8524, 0.1922



# Previews

## White Background



This preview shows how the XYZ color 77.0133, 77.4889, 91.7867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

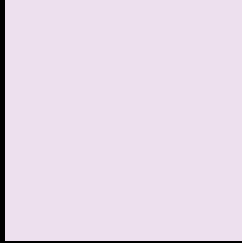
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0133, 77.4889, 91.7867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

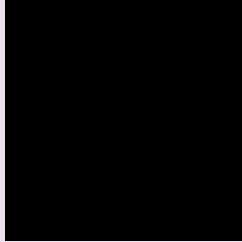
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

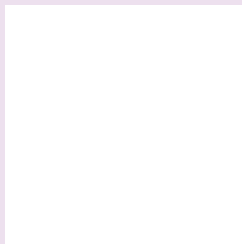
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.0133, 77.4889, 91.7867

## Background



This preview shows how black text looks on a background with the XYZ color 77.0133, 77.4889, 91.7867.



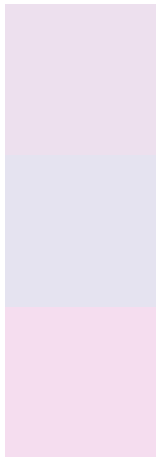
This preview shows how white text looks on a background with the XYZ color 77.0133, 77.4889,

91.7867.

# 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

77.0133, 77.4889, 91.7867

### Protanopia

75.5104, 77.8875, 93.4920

### Deuteranopia

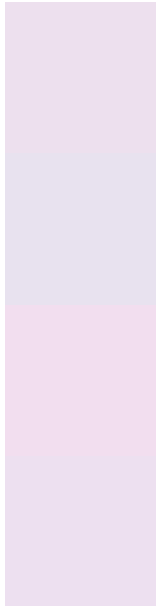
79.0926, 77.3574, 92.4242



## Tritanopia

77.4579, 77.6667, 94.1278

# Trichromacy



## Original Color

77.0133, 77.4889, 91.7867

## Protanomaly

76.0551, 77.7805, 92.6660

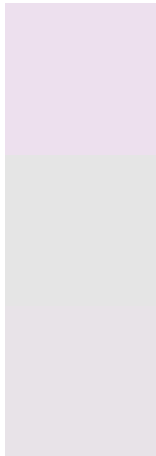
## Deuteranomaly

78.3192, 77.3518, 92.4639

## Tritanomaly

77.3089, 77.6071, 93.3431

# Monochromacy



## Original Color

77.0133, 77.4889, 91.7867

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.3133, 77.9202, 87.4146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0133, 77.4889, 91.7867 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, 224, 238) looks like.

```
.text, #text, p{  
    color:rgb(237, 224, 238)  
}
```

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, 224, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 224, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0133, 77.4889, 91.7867 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, 224, 238) }
```



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

```
.border{ border-color:rgb(237, 224, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 224, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 224, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 224, 238); box-shadow:4px 4px 4px 4px rgb(237, 224, 238) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0133, 77.4889, 91.7867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 224, 238) }
```

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

```
.background{ background-color: rgb(237,  
224, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor