

Converting Colors

XYZ(78.7729, 77.6532, 89.4340)

Have a look what the booklet for
XYZ(78.7729, 77.6532, 89.4340)
contains.

| | |
|--|----|
| XYZ(78.7729, 77.6532, 89.4340) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(78.7729, 77.6532,
89.4340)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F5DEEB |
| RGB | 245, 222, 235 |
| RGB Percent | 96%, 87%, 92% |
| CMY | 0.0392, 0.1294, 0.0784 |
| CMYK | 0.00, 0.09, 0.04, 0.04 |
| HSL | 326°, 53%, 92% |
| HSV | 326°, 9%, 96% |
| XYZ | 78.7729, 77.6532, 89.4340 |
| YIQ | 230.3590, 9.5350, 8.9190 |

Conversions

Conversions Part 2

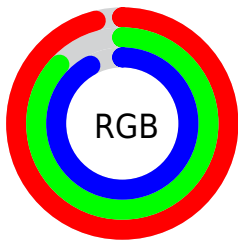
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 245, 222, 235 |
| Decimal | 16113387 |
| CIE _{Lab} | 90.62, 10.08, -3.47 |
| CIE _{LCh} | 91, 10.665, 340.997 |
| Yxy | 77.6532, 0.3204, 0.3158 |
| Android (android.graphics.Color) | 4294303467 (0xFFFF5DEEB) |
| YUV | 230.3590, 2.2880, 12.8402 |
| Hunter-Lab | 88.1211, 5.3523, 1.5114 |

Details

The XYZ color **78.7729, 77.6532, 89.4340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3451, 86.6628, 88.9993**, and the grayscale version is **75.4602, 79.3900, 86.4557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9417, 41.7109, 48.4356** is the 20% darker color. If you saturate the color by 10%, you get **71.2397, 64.9759, 79.5550**, and if you desaturate by 10%, it is **87.3483, 92.2652, 100.1172**.

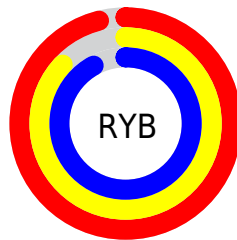
Distribution



Red (96%)

Green (87%)

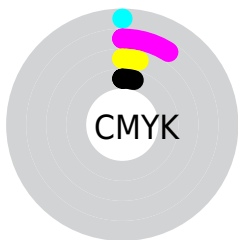
Blue (92%)



Red (96%)

Yellow (87%)

Blue (92%)

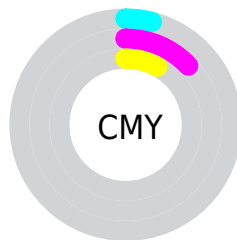


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (4%)



Cyan (4%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7729, 77.6532, 89.4340 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 78.7729, 77.6532, 89.4340 by changing the saturation by 10% instead.

78.7729, 77.6532,
89.4340

78.7729, 77.6532,
89.4340

479.5875,
486.9883, 546.7105

59.0141, 57.7891,
66.9402

130.5987,
130.0611, 148.4806

42.8709, 41.6391,
48.5748

163.3964,
163.3738, 185.8705

29.9779, 28.8188,
33.9191

201.2712,
201.9381, 229.0629

19.9698, 18.9438,
22.5546

244.5883,
246.1385, 278.4762

12.4812, 11.6297,
14.0628

293.7131,
296.3592, 334.5291

7.1468, 6.4921,
8.0251

349.0110,

3.6012, 3.1465,

352.9849, 397.6401

4.0230

410.8473,
416.3998, 468.2277

■ 1.4791, 1.2087,
1.6380

■ 0.3116, 0.0688,
0.3177

■ 78.7729, 77.6532,
89.4340

■ 78.7729, 77.6532,
89.4340

■ 71.2397, 64.9759,
79.5550

■ 87.3483, 92.2652,
100.1172

■ 64.6997, 54.1413,
70.4531

■ 91.4667, 98.1528,
108.7323

■ 59.1101, 45.0651,
62.1070

■ 54.4221, 37.6522,
54.4919

■ 50.5822, 31.7987,
47.5816

■ 47.5310, 27.3887,
41.3473

■ 45.2011, 24.2902,
35.7574

■ 43.5125, 22.3463,
30.7758

■ 42.3415, 21.3128,
26.3515

Harmonies

Analogous

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



77.2296, 77.6532, 96.1515



78.7729, 77.6532, 89.4340



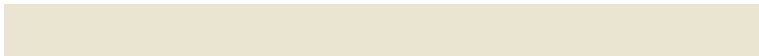
78.9670, 77.6532, 81.7747

Triad

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



78.7729, 77.6532, 89.4340



72.8311, 77.6532, 70.9122



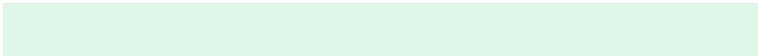
69.9963, 77.6532, 94.5775

Complementary

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



78.7729, 77.6532, 89.4340



77.3451, 86.6628, 88.9993

Split Complementary

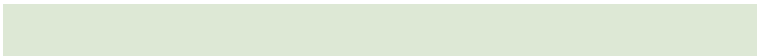
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8769, 77.6532, 87.3897



78.7729, 77.6532, 89.4340



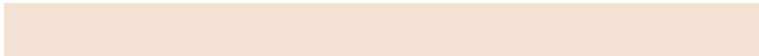
70.4871, 77.6532, 73.9234

Square

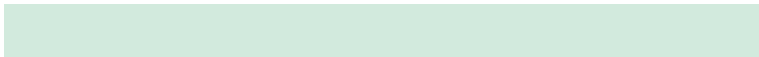
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7729, 77.6532, 89.4340



75.4929, 77.6532, 71.3861



69.0544, 77.6532, 79.8493



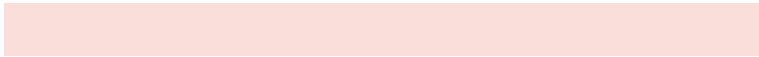
72.1465, 77.6532, 99.2427

Rectangle

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



78.7729, 77.6532, 89.4340



78.2999, 77.6532, 77.1964



69.0544, 77.6532, 79.8493



69.4894, 77.6532, 92.3587

Sweetspot

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



78.7751, 77.6566, 89.4357



92.1268, 95.0034, 105.3061



75.8736, 75.9891, 97.0558



19.5555, 20.0559, 22.3372



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

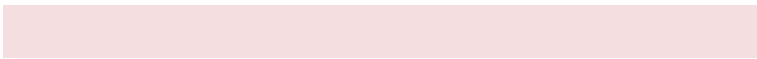
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7751, 77.6566, 89.4357



84.8432, 82.6299, 96.1148



77.1716, 77.0152, 80.9915



16.8914, 16.6394, 19.1749



22.8462, 11.4819, 14.4306



2.0595, 1.0298, 1.5397

Inverse Universe

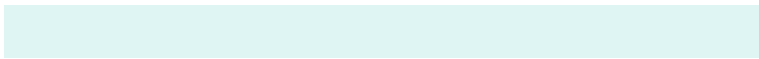
The Inverse Universe completely reimagines the original color for something new.



78.7751, 77.6566, 89.4357



84.8432, 82.6299, 96.1148



79.0273, 87.3357, 97.8577



16.8914, 16.6394, 19.1749



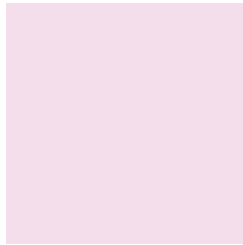
22.8462, 11.4819, 14.4306



2.0595, 1.0298, 1.5397

Previews

White Background



This preview shows how the XYZ color 78.7729, 77.6532, 89.4340 looks on a white background.

Color Contrast Check

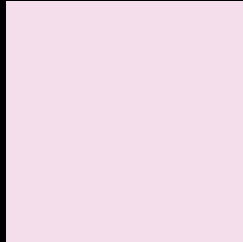
Large Text (above 18pt) WCAG AA × Fail

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 78.7729, 77.6532, 89.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

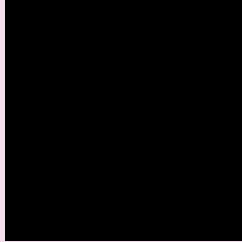
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7729, 77.6532, 89.4340

Background



This preview shows how black text looks on a background with the XYZ color 78.7729, 77.6532, 89.4340.



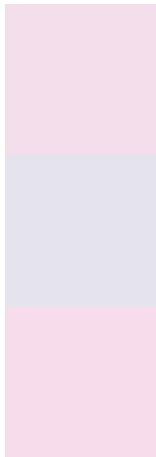
This preview shows how white text looks on a background with the XYZ color 78.7729, 77.6532,

89.4340.

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

78.7729, 77.6532, 89.4340

Protanopia

75.2148, 77.7692, 91.9356

Deuteranopia

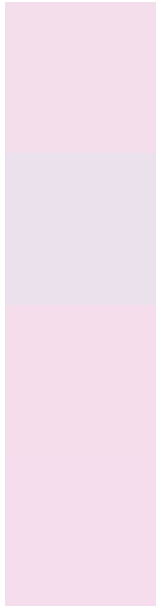
79.2096, 77.4852, 89.3786



Tritanopia

79.4425, 77.5377, 92.4406

Trichromacy



Original Color

78.7729, 77.6532, 89.4340

Protanomaly

76.4722, 77.6270, 91.0738

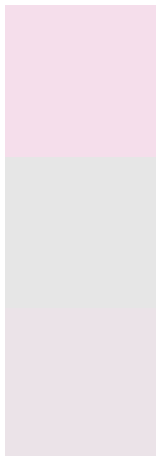
Deuteranomaly

78.8579, 77.3039, 89.3621

Tritanomaly

79.2951, 77.4788, 91.6645

Monochromacy



Original Color

78.7729, 77.6532, 89.4340

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.2955, 78.4265, 87.4606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7729, 77.6532, 89.4340 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(245, 222, 235) looks like.

```
.text, #text, p{  
    color:rgb(245, 222, 235)  
}
```

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(245, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 222, 235) }
```

Border

The CSS property to change the border of an element to XYZ 78.7729, 77.6532, 89.4340 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(245, 222, 235) }
```


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

```
.border{ border-color:rgb(245, 222, 235) }
```

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

Here you see how a box with a 4 pixel rgb(245, 222, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(245, 222,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7729, 77.6532, 89.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 222, 235) }
```

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

```
.background{ background-color: rgb(245,  
222, 235) }
```

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