

Converting Colors

XYZ(76.8830, 78.4833, 76.2245)

Have a look what the booklet for
XYZ(76.8830, 78.4833, 76.2245)
contains.

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Color

**XYZ(76.8993, 78.5837,
76.0809)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E2D8
RGB	244, 226, 216
RGB Percent	96%, 89%, 85%
CMY	0.0431, 0.1137, 0.1529
CMYK	0.00, 0.07, 0.11, 0.04
HSL	21°, 56%, 90%
HSV	21°, 11%, 96%
XYZ	76.8993, 78.5837, 76.0809
YIQ	230.2420, 13.9380, 0.7060

Conversions

Conversions Part 2

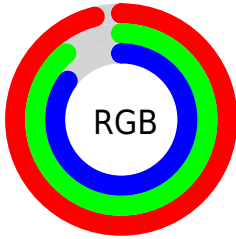
Format	Color
R_{YB}	244, 232, 216
Decimal	16048856
CIE Lab	91.05, 4.50, 7.09
CIE LCh	91, 8.396, 57.574
Yxy	78.5837, 0.3321, 0.3394
Android (android.graphics.Color)	4294238936 (0xFFF4E2D8)
YUV	230.2420, -7.0213, 12.0658
Hunter-Lab	88.6474, -0.2890, 11.1681

Details

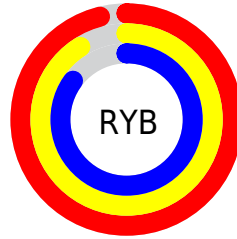
The XYZ color **76.8993, 78.5837, 76.0809** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0706, 79.9748, 97.1216**, and the grayscale version is **75.4379, 79.3666, 86.4302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7350, 42.3904, 39.7007** is the 20% darker color. If you saturate the color by 10%, you get **69.9056, 69.2747, 59.3250**, and if you desaturate by 10%, it is **84.7559, 88.8671, 95.4373**.

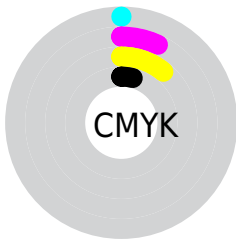
Distribution



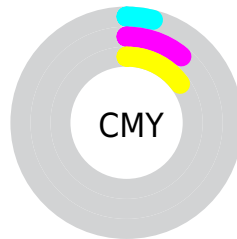
- Red (96%)
- Green (89%)
- Blue (85%)



- Red (96%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (4%)





- Cyan (4%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8993, 78.5837, 76.0809 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 76.8993, 78.5837, 76.0809 by changing the saturation by 10% instead.


 76.8993, 78.5837,
76.0809

 76.8993, 78.5837,
76.0809


473.3178,
490.1469, 500.9788

 57.4699, 58.5536,
55.9918

127.9709,
131.3726, 129.6024

 41.6242, 42.2539,
39.7924


160.3438,
164.9002, 163.8719

 28.9970, 29.3001,
27.0642

197.7619,
203.6958, 203.7052

 19.2228, 19.3080,
17.3885

240.5906,
248.1437, 249.5209

 11.9363, 11.8930,
10.3470

289.1951,
298.6284, 301.7376

 6.7722, 6.6709,
5.5210

343.9410,

 3.3651, 3.2571,

355.5342, 360.7738

2.4921

405.1934,
419.2456, 427.0480

■ 1.3497, 1.2674,
0.8359

■ 0.2199, 0.1158,
0.0000

■ 76.8993, 78.5837,
76.0809

■ 76.8993, 78.5837,
76.0809

■ 69.9056, 69.2747,
59.3250

■ 84.7559, 88.8671,
95.4373

■ 63.7373, 60.9008,
45.0526

■ 91.1186, 97.9733,
108.7160

■ 58.3636, 53.4346,
33.1456

■ 53.7492, 46.8441,
23.4737

■ 49.8557, 41.0948,
15.8943

■ 46.6412, 36.1497,
10.2479

■ 44.0584, 31.9687,
6.3514

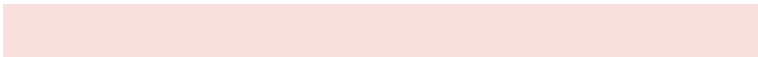
■ 42.0523, 28.5070,
3.9858

■ 40.7315, 26.0792,
2.8870

Harmonies

Analogous

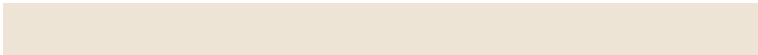
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3645, 78.5837, 80.2718



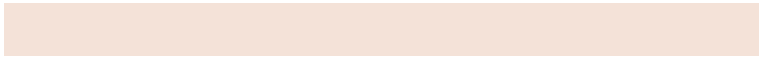
76.8993, 78.5837, 76.0809



74.8642, 78.5837, 74.4192

Triad

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



76.8993, 78.5837, 76.0809



70.6912, 78.5837, 85.0709



76.5949, 78.5837, 96.3388

Complementary

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



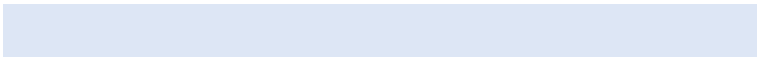
76.8993, 78.5837, 76.0809



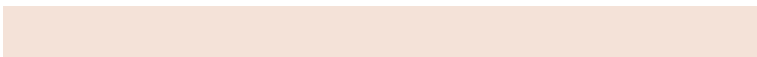
74.0706, 79.9748, 97.1216

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.



74.5190, 78.5837, 97.7700



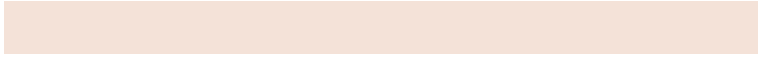
76.8993, 78.5837, 76.0809



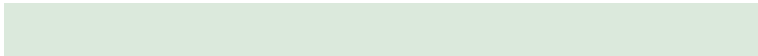
71.1350, 78.5837, 91.0845

Square

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



76.8993, 78.5837, 76.0809



71.3022, 78.5837, 79.4540



72.5263, 78.5837, 95.8047



78.1864, 78.5837, 91.9801

Rectangle

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



76.8993, 78.5837, 76.0809



73.4671, 78.5837, 74.9073



72.5263, 78.5837, 95.8047



75.9294, 78.5837, 97.1869

Sweetspot

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



76.9015, 78.5872, 76.0826



92.2941, 96.4201, 102.0256



76.7451, 74.2980, 88.2897



19.6003, 20.4367, 21.4542



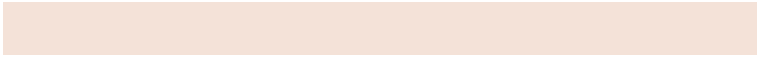
0.0000, 0.0000, 0.0000



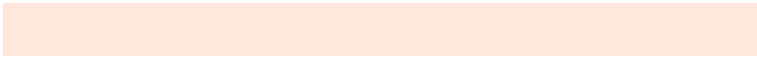
20.3446, 21.4041, 23.3091

Same Dimension

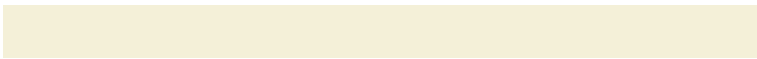
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9015, 78.5872, 76.0826



82.9380, 84.1348, 79.0934



80.8051, 86.3945, 77.3838



16.9836, 17.4514, 17.2709



22.2644, 14.4144, 1.6088



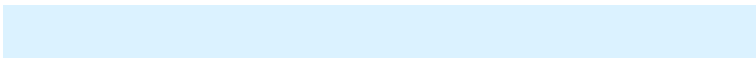
2.0503, 1.4539, 0.1726

Inverse Universe

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



74.0706, 79.9748, 97.1216



79.1787, 85.9765, 107.0297



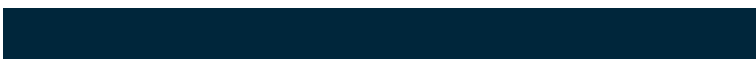
70.2948, 72.4232, 95.8630



16.4696, 17.7035, 21.0916



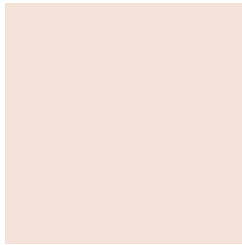
15.5520, 16.8977, 48.9799



1.4637, 1.6789, 4.3372

Previews

White Background



This preview shows how the XYZ color 76.8993, 78.5837, 76.0809 looks on a white background.

Color Contrast Check

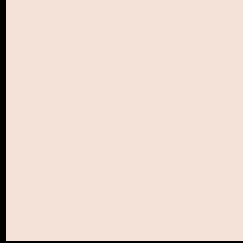
Large Text (above 18pt) WCAG AA × Fail

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 76.8993, 78.5837, 76.0809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

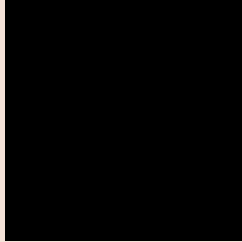
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

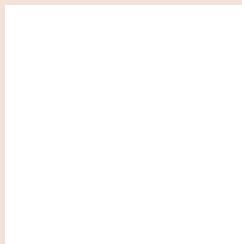
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8993, 78.5837, 76.0809

Background



This preview shows how black text looks on a background with the XYZ color 76.8993, 78.5837, 76.0809.

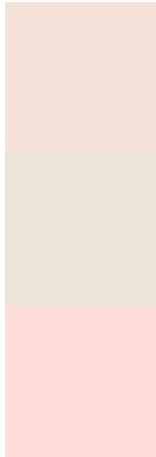


This preview shows how white text looks on a background with the XYZ color 76.8993, 78.5837,

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

76.8993, 78.5837, 76.0809

Protanopia

74.8599, 78.3294, 76.8192

Deuteranopia

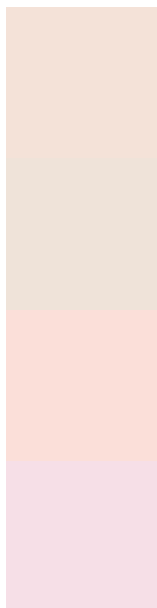
79.8857, 78.5123, 76.5896



Tritanopia

80.2072, 78.3080, 93.3257

Trichromacy



Original Color

76.8993, 78.5837, 76.0809

Protanomaly

75.5901, 78.2986, 76.7748

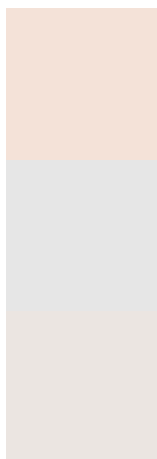
Deuteranomaly

78.6957, 78.2943, 76.6102

Tritanomaly

78.8175, 78.1377, 86.5293

Monochromacy



Original Color

76.8993, 78.5837, 76.0809

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.8709, 79.1370, 82.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8993, 78.5837, 76.0809 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(244, 226, 216) looks like.

```
.text, #text, p{  
    color:rgb(244, 226, 216)  
}
```

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(244, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 226, 216) }
```

Border

The CSS property to change the border of an element to XYZ 76.8993, 78.5837, 76.0809 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(244, 226, 216) }
```


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

```
.border{ border-color:rgb(244, 226, 216) }
```

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

Here you see how a box with a 4 pixel rgb(244, 226, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 226, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 226, 216);  
box-shadow:4px 4px 4px 4px rgb(244, 226,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8993, 78.5837, 76.0809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 226, 216) }
```

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

```
.background{ background-color: rgb(244,  
226, 216) }
```

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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