

Converting Colors

XYZ(78.0110, 82.1852, 84.6305)

Have a look what the booklet for
XYZ(78.0110, 82.1852, 84.6305)
contains.

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Color

**XYZ(77.8800, 82.2246,
84.4393)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEAE3
RGB	236, 234, 227
RGB Percent	93%, 92%, 89%
CMY	0.0745, 0.0823, 0.1098
CMYK	0.00, 0.01, 0.04, 0.07
HSL	47°, 19%, 91%
HSV	47°, 4%, 93%
XYZ	77.8800, 82.2246, 84.4393
YIQ	233.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

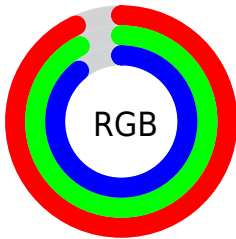
Format	Color
R_{YB}	230, 236, 227
Decimal	15526627
CIE Lab	92.67, -0.54, 3.62
CIE LCh	93, 3.661, 98.548
Yxy	82.2246, 0.3185, 0.3362
Android (android.graphics.Color)	4293716707 (0xFFECEAE3)
YUV	233.8000, -3.3524, 1.9294
Hunter-Lab	90.6778, -5.3787, 8.2635

Details

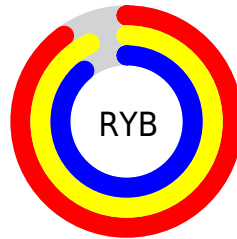
The XYZ color **77.8800, 82.2246, 84.4393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.8381, 78.4244, 90.5508**, and the grayscale version is **78.0802, 82.1464, 89.4575**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1892, 44.5226, 45.3998** is the 20% darker color. If you saturate the color by 10%, you get **73.3765, 78.0772, 67.9542**, and if you desaturate by 10%, it is **82.8787, 86.6457, 103.2942**.

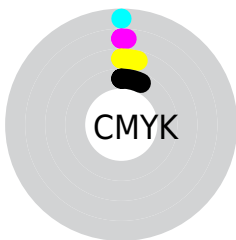
Distribution



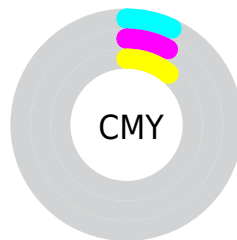
- Red (93%)
- Green (92%)
- Blue (89%)



- Red (90%)
- Yellow (93%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8800, 82.2246, 84.4393 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 77.8800, 82.2246, 84.4393 by changing the saturation by 10% instead.

■ 77.8800, 82.2246,
84.4393

■ 77.8800, 82.2246,
84.4393

476.6052,
502.3987, 529.8670

■ 58.2778, 61.5507,
62.8307

129.3472,
136.4889, 141.4567

■ 42.2762, 44.6697,
45.2641

161.9430,
170.8481, 177.7026

■ 29.5097, 31.1974,
31.3211

199.6007,
210.5379, 219.6647

■ 19.6129, 20.7492,
20.5829

242.6856,
255.9426, 267.7616

■ 12.2206, 12.9408,
12.6312

291.5632,
307.4466, 322.4117

■ 6.9674, 7.3878,
7.0474

346.5988,

■ 3.4879, 3.7058,

365.4344, 384.0336

3.4129

408.1577,
430.2902, 453.0459

■ 1.4167, 1.5104,
1.3091

■ 0.2681, 0.2960,
0.0692

■ 77.8800, 82.2246,
84.4393

■ 77.8800, 82.2246,
84.4393

■ 73.3765, 78.0772,
67.9542

■ 82.8787, 86.6457,
103.2942

■ 69.3428, 74.1850,
53.7384

■ 85.1351, 90.0383,
107.4998

■ 65.7616, 70.5429,
41.6921

■ 86.7360, 93.2402,
108.0334

■ 62.6118, 67.1420,
31.7058

■ 88.3821, 96.5324,
108.5821

■ 59.8704, 63.9723,
23.6607

■ 88.4025, 96.5731,
108.5889

■ 57.5121, 61.0233,
17.4256

■ 55.5086, 58.2829,
12.8529

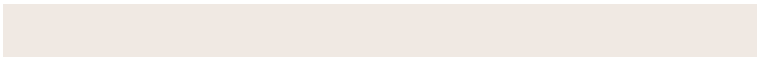
■ 53.8270, 55.7373,
9.7721

■ 52.4276, 53.3699,
7.9753

Harmonies

Analogous

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



78.8240, 82.2246, 84.7332



77.8800, 82.2246, 84.4393



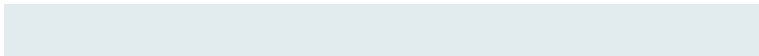
77.0158, 82.2246, 85.4872

Triad

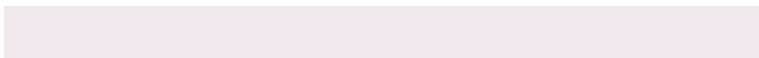
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8800, 82.2246, 84.4393



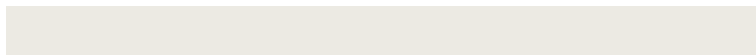
76.7278, 82.2246, 92.8385



79.8697, 82.2246, 91.4614

Complementary

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



77.8800, 82.2246, 84.4393



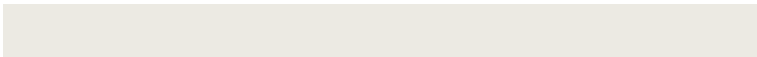
74.8381, 78.4244, 90.5508

Split Complementary

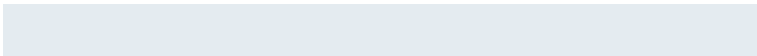
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2993, 82.2246, 93.6954



77.8800, 82.2246, 84.4393



77.4839, 82.2246, 94.5016

Square

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



77.8800, 82.2246, 84.4393



76.3542, 82.2246, 90.3108



78.4247, 82.2246, 94.8184



79.9779, 82.2246, 88.7509

Rectangle

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



77.8800, 82.2246, 84.4393



76.5994, 82.2246, 86.8185



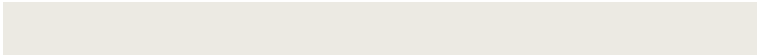
78.4247, 82.2246, 94.8184



79.7254, 82.2246, 92.2945

Sweetspot

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



77.8823, 82.2282, 84.4411



94.4620, 99.4766, 106.6920



76.2191, 78.4350, 85.3254



20.2250, 21.2976, 22.8598



0.0000, 0.0000, 0.0000



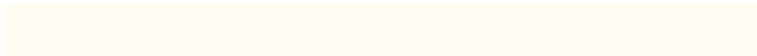
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8823, 82.2282, 84.4411



92.1694, 97.4154, 98.1466



77.6621, 82.9627, 84.5945



16.4207, 17.3650, 17.3131



28.5791, 28.8523, 4.0628



2.3138, 2.4050, 0.3423

Inverse Universe

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



74.8381, 78.4244, 90.5508



87.4295, 91.4929, 107.6596



75.0514, 77.7195, 90.4035



15.4662, 16.1725, 19.2287



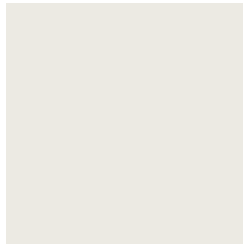
9.1092, 4.8654, 44.2020



0.7853, 0.5220, 3.4942

Previews

White Background



This preview shows how the XYZ color 77.8800, 82.2246, 84.4393 looks on a white background.

Color Contrast Check

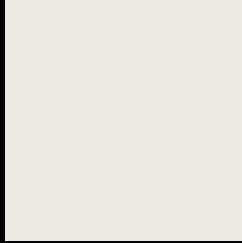
Large Text (above 18pt) WCAG AA × Fail

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 77.8800, 82.2246, 84.4393 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

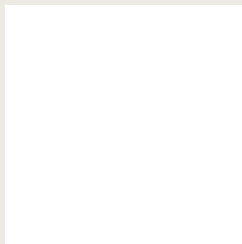
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8800, 82.2246, 84.4393

Background



This preview shows how black text looks on a background with the XYZ color 77.8800, 82.2246, 84.4393.

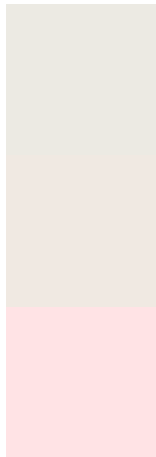


This preview shows how white text looks on a background with the XYZ color 77.8800, 82.2246,

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

77.8800, 82.2246, 84.4393

Protanopia

78.8016, 82.2941, 83.6826

Deuteranopia

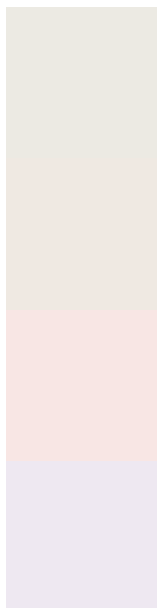
82.8519, 81.8553, 85.5616



Tritanopia

81.2714, 82.3421, 101.2327

Trichromacy



Original Color

77.8800, 82.2246, 84.4393

Protanomaly

78.4630, 82.1195, 83.6667

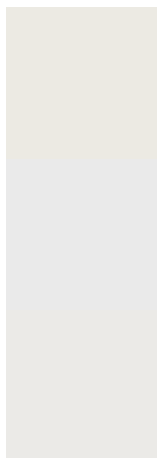
Deuteranomaly

81.0118, 82.1515, 84.9858

Tritanomaly

79.9937, 82.2412, 94.8771

Monochromacy



Original Color

77.8800, 82.2246, 84.4393

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1076, 82.2773, 87.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8800, 82.2246, 84.4393 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(236, 234, 227) looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 227)  
}
```

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(236, 234, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 227) }
```

Border

The CSS property to change the border of an element to XYZ 77.8800, 82.2246, 84.4393 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(236, 234, 227) }
```


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

```
.border{ border-color:rgb(236, 234, 227) }
```

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

Here you see how a box with a 4 pixel rgb(236, 234, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 227);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8800, 82.2246, 84.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 227) }
```

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

```
.background{ background-color: rgb(236,  
234, 227) }
```

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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