

Converting Colors

XYZ(78.4463, 82.9712, 84.7015)

Have a look what the booklet for
XYZ(78.4463, 82.9712, 84.7015)
contains.

XYZ(78.4985, 82.9672, 84.5500)	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(78.4985, 82.9672,
84.5500)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEBE3
RGB	237, 235, 227
RGB Percent	93%, 92%, 89%
CMY	0.0706, 0.0784, 0.1098
CMYK	0.00, 0.01, 0.04, 0.07
HSL	48°, 22%, 91%
HSV	48°, 4%, 93%
XYZ	78.4985, 82.9672, 84.5500
YIQ	234.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

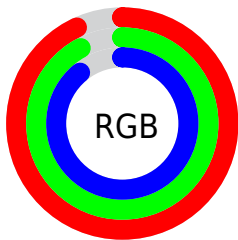
Format	Color
RYB	230, 237, 227
Decimal	15592419
CIELab	93.00, -0.71, 4.10
CIELCh	93, 4.164, 99.884
Yxy	82.9672, 0.3191, 0.3372
Android (android.graphics.Color)	4293782499 (0xFFEDEBE3)
YUV	234.6860, -3.7892, 2.0294
Hunter-Lab	91.0863, -5.5692, 8.7251

Details

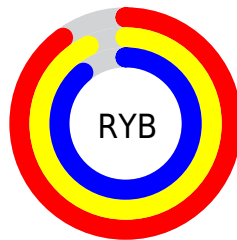
The XYZ color **78.4985, 82.9672, 84.5500** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.9839, 78.4829, 91.3184**, and the grayscale version is **78.7547, 82.8561, 90.2303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6225, 45.0425, 45.4774** is the 20% darker color. If you saturate the color by 10%, you get **74.1146, 79.0781, 68.0459**, and if you desaturate by 10%, it is **83.3734, 87.1157, 103.4413**.

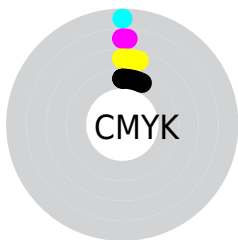
Distribution



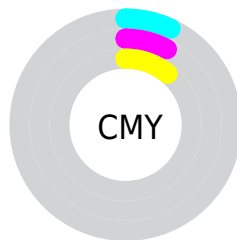
- Red (93%)
- Green (92%)
- Blue (89%)



- 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 78.4985, 82.9672, 84.5500 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 78.4985, 82.9672, 84.5500 by changing the saturation by 10% instead.

■ 78.4985, 82.9672,
84.5500

■ 78.4985, 82.9672,
84.5500

478.6721,
504.8772, 530.2436

■ 58.7878, 62.1631,
62.9216

130.2143,
137.5295, 141.6129

■ 42.6880, 45.1645,
45.3372

162.9500,
172.0565, 177.8844

■ 29.8339, 31.5870,
31.3782

200.7582,
211.9266, 219.8741

■ 19.8600, 21.0463,
20.6262

244.0040,
257.5242, 268.0005

■ 12.4010, 13.1578,
12.6624

293.0530,
309.2336, 322.6821

■ 7.0915, 7.5373,
7.0685

348.2705,

■ 3.5662, 3.8003,

367.4394, 384.3374

3.4259

410.0217,
432.5258, 453.3851

■ 1.4598, 1.5625,
1.3160

■ 0.2982, 0.3321,
0.0748

■ 78.4985, 82.9672,
84.5500

■ 78.4985, 82.9672,
84.5500

■ 74.1146, 79.0781,
68.0459

■ 83.3734, 87.1157,
103.4413

■ 70.1961, 75.4297,
53.8271

■ 85.4665, 90.2068,
107.5148

■ 66.7257, 72.0172,
41.7926

■ 86.9117, 93.0972,
107.9966

■ 63.6819, 68.8317,
31.8315

■ 88.3938, 96.0613,
108.4906

■ 61.0417, 65.8635,
23.8232

■ 88.7355, 96.7448,
108.6045

■ 58.7794, 63.1018,
17.6348

■ 56.8665, 60.5347,
13.1163

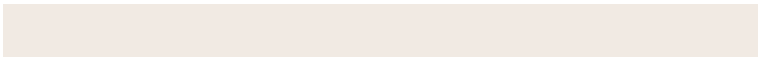
■ 55.2695, 58.1484,
10.0942

■ 53.9481, 55.9263,
8.3564

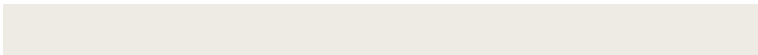
Harmonies

Analogous

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



79.5811, 82.9672, 84.8155



78.4985, 82.9672, 84.5500



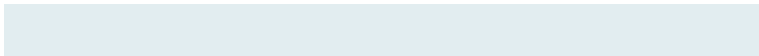
77.5211, 82.9672, 85.8076

Triad

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



78.4985, 82.9672, 84.5500



77.2599, 82.9672, 94.2424



80.8430, 82.9672, 92.4180

Complementary

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



78.4985, 82.9672, 84.5500



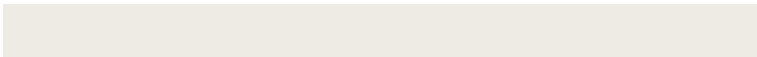
74.9839, 78.4829, 91.3184

Split Complementary

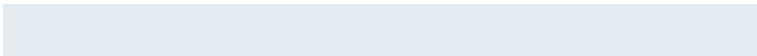
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2099, 82.9672, 95.0235



78.4985, 82.9672, 84.5500



78.1390, 82.9672, 96.0935

Square

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



78.4985, 82.9672, 84.5500



76.8103, 82.9672, 91.3718



79.2183, 82.9672, 96.3826



80.9414, 82.9672, 89.3104

Rectangle

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



78.4985, 82.9672, 84.5500



77.0581, 82.9672, 87.3578



79.2183, 82.9672, 96.3826



80.6853, 82.9672, 93.3836

Sweetspot

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



78.5008, 82.9708, 84.5518



94.4800, 99.5126, 106.6980



76.5381, 78.6011, 85.2675



20.2286, 21.3049, 22.8610



0.0000, 0.0000, 0.0000



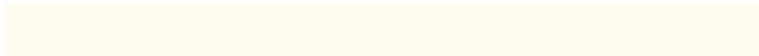
20.3446, 21.4041, 23.3091

Same Dimension

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



78.5008, 82.9708, 84.5518



92.2582, 97.5930, 98.1762



78.0821, 83.6080, 84.6969



16.4386, 17.4009, 17.3191



29.1804, 30.0550, 4.2632



2.3562, 2.4897, 0.3564

Inverse Universe

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



74.9839, 78.4829, 91.3184



87.3441, 91.3221, 107.6311



75.3894, 77.8769, 91.1801



15.4491, 16.1382, 19.2230



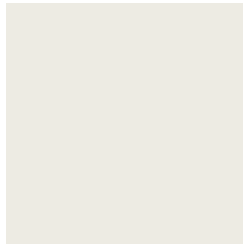
8.9806, 4.6081, 44.1591



0.7714, 0.4944, 3.4896

Previews

White Background



This preview shows how the XYZ color 78.4985, 82.9672, 84.5500 looks on a white background.

Color Contrast Check

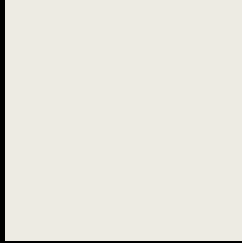
Large Text (above 18pt) WCAG AA × Fail

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 78.4985, 82.9672, 84.5500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

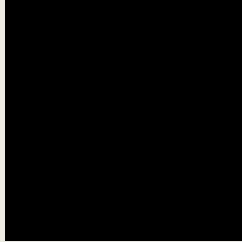
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

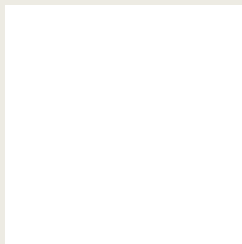
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4985, 82.9672, 84.5500

Background



This preview shows how black text looks on a background with the XYZ color 78.4985, 82.9672, 84.5500.



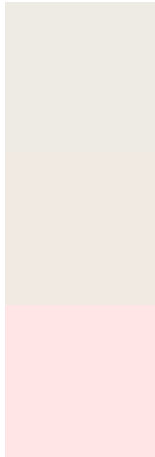
This preview shows how white text looks on a background with the XYZ color 78.4985, 82.9672,

84.5500.

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

78.4985, 82.9672, 84.5500

Protanopia

79.4259, 83.0374, 83.7931

Deuteranopia

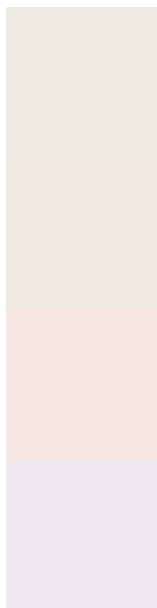
83.5422, 83.0118, 86.4826



Tritanopia

82.0471, 83.1406, 102.1659

Trichromacy



Original Color

78.4985, 82.9672, 84.5500

Protanomaly

79.0855, 82.8619, 83.7772

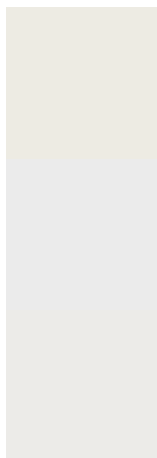
Deuteranomaly

81.4302, 82.7654, 85.8122

Tritanomaly

80.7625, 83.0394, 95.7760

Monochromacy



Original Color

78.4985, 82.9672, 84.5500

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.8659, 83.0757, 88.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4985, 82.9672, 84.5500 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, 235, 227) looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 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(237, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 227) }
```

Border

The CSS property to change the border of an element to XYZ 78.4985, 82.9672, 84.5500 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, 235, 227) }
```


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

```
.border{ border-color:rgb(237, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4985, 82.9672, 84.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 227) }
```

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

```
.background{ background-color: rgb(237,  
235, 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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