

Converting Colors

XYZ(78.4331, 83.8642, 82.5740)

Have a look what the booklet for
XYZ(78.4331, 83.8642, 82.5740)
contains.

XYZ(78.3308, 83.7831, 82.5643)	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(78.3308, 83.7831,
82.5643)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEDE0
RGB	236, 237, 224
RGB Percent	93%, 93%, 88%
CMY	0.0745, 0.0706, 0.1216
CMYK	0.00, 0.00, 0.05, 0.07
HSL	65°, 27%, 90%
HSV	65°, 5%, 93%
XYZ	78.3308, 83.7831, 82.5643
YIQ	235.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

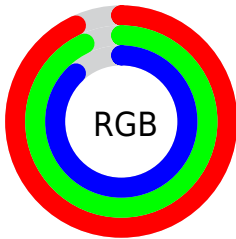
Format	Color
R_{YB}	224, 237, 225
Decimal	15527392
CIE _{Lab}	93.36, -2.58, 6.17
CIE _{LCh}	93, 6.686, 112.736
Yxy	83.7831, 0.3201, 0.3424
Android (android.graphics.Color)	4293717472 (0xFFECEDE0)
YUV	235.2190, -5.5310, 0.6849
Hunter-Lab	91.5331, -7.4289, 10.5927

Details

The XYZ color **78.3308, 83.7831, 82.5643** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.9964, 75.4356, 90.8384**, and the grayscale version is **79.1733, 83.2965, 90.7099**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5077, 45.6156, 44.1004** is the 20% darker color. If you saturate the color by 10%, you get **74.7340, 82.2772, 66.7705**, and if you desaturate by 10%, it is **82.3866, 85.4787, 100.7218**.

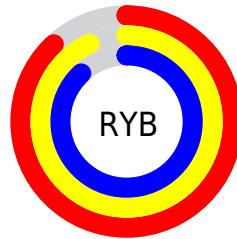
Distribution



Red (93%)

Green (93%)

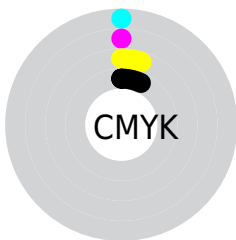
Blue (88%)



Red (88%)

Yellow (93%)

Blue (88%)

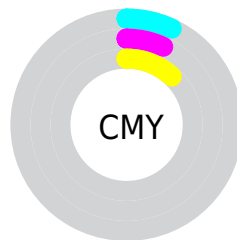


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3308, 83.7831, 82.5643 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 78.3308, 83.7831, 82.5643 by changing the saturation by 10% instead.

■ 78.3308, 83.7831,
82.5643

■ 78.3308, 83.7831,
82.5643

478.1122,
507.5927, 523.4662

■ 58.6495, 62.8364,
61.2923

129.9792,
138.6717, 138.8088

■ 42.5763, 45.7089,
44.0290

162.6771,
173.3824, 174.6184

■ 29.7459, 32.0161,
30.3559

200.4445,
213.4499, 216.1109

■ 19.7929, 21.3738,
19.8546

243.6468,
259.2585, 263.7049

■ 12.3520, 13.3975,
12.1063

292.6493,
311.1927, 317.8188

■ 7.0578, 7.7029,
6.6927

347.8175,

■ 3.5449, 3.9054,

369.6369, 378.8714

3.1952

409.5167,
434.9754, 447.2810

■ 1.4480, 1.6208,
1.1951

■ 0.2901, 0.3716,
0.0000

■ 78.3308, 83.7831,
82.5643

■ 78.3308, 83.7831,
82.5643

■ 74.7340, 82.2772,
66.7705

■ 82.3866, 85.4787,
100.7218

■ 71.5708, 80.9428,
53.2379


■ 84.1568, 86.2581,
106.8217


■ 68.8238, 79.7755,
41.8645


■ 84.7805, 86.5796,
106.8509


■ 66.4717, 78.7670,
32.5386

■ 85.4104, 86.9044,
106.8804


 64.4914, 77.9078,
25.1381


 86.0466, 87.2324,
106.9101


 62.8572, 77.1878,
19.5283


 86.6892, 87.5636,
106.9402


 61.5402, 76.5954,
15.5569

 87.3381, 87.8981,
106.9706

 60.5067, 76.1172,
13.0466

 87.9934, 88.2359,
107.0012

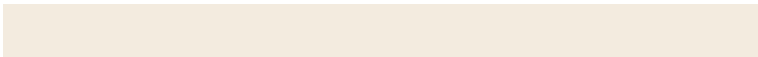
 59.7152, 75.7364,
11.7787

 88.6550, 88.5770,
107.0322

Harmonies

Analogous

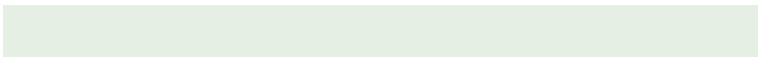
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0625, 83.7831, 81.9332



78.3308, 83.7831, 82.5643



76.9667, 83.7831, 85.4746

Triad

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



78.3308, 83.7831, 82.5643



77.5991, 83.7831, 99.1693



83.0423, 83.7831, 92.4581

Complementary

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



78.3308, 83.7831, 82.5643



72.9964, 75.4356, 90.8384

Split Complementary

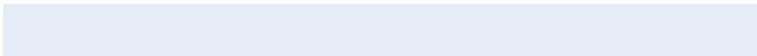
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3608, 83.7831, 97.2288



78.3308, 83.7831, 82.5643



79.2056, 83.7831, 101.1952

Square

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



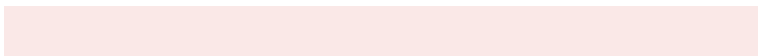
78.3308, 83.7831, 82.5643



76.5487, 83.7831, 95.0280



80.9502, 83.7831, 100.4723



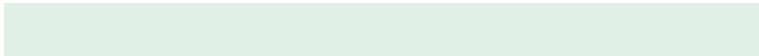
82.7998, 83.7831, 87.5259

Rectangle

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



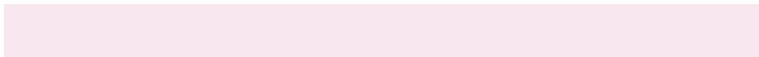
78.3308, 83.7831, 82.5643



76.4409, 83.7831, 88.3756



80.9502, 83.7831, 100.4723



82.9134, 83.7831, 94.1361

Sweetspot

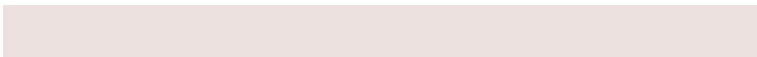
The Sweet Spot groups the original color and five complimentary colors.



78.3331, 83.7867, 82.5661



94.0948, 99.6012, 104.6259



75.2715, 77.1669, 81.4497



20.1502, 21.3229, 22.4390



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.



78.3331, 83.7867, 82.5661



91.8025, 98.6426, 94.4371



76.2574, 82.7166, 82.4690



16.3777, 17.6261, 16.7029



32.4836, 41.2904, 6.2578



2.5849, 3.2599, 0.4930

Inverse Universe

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



72.9964, 75.4356, 90.8384



83.8154, 86.1441, 106.8177



75.0178, 76.4777, 90.9330



14.8449, 15.2273, 19.0790



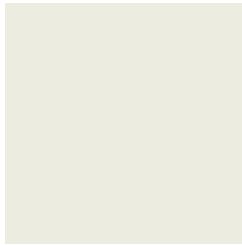
8.5265, 3.4315, 43.9559



0.7071, 0.2888, 3.4534

Previews

White Background



This preview shows how the XYZ color 78.3308, 83.7831, 82.5643 looks on a white background.

Color Contrast Check

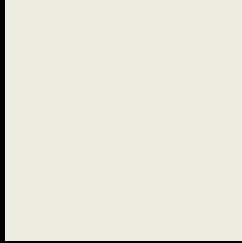
Large Text (above 18pt) WCAG AA × Fail

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 78.3308, 83.7831, 82.5643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

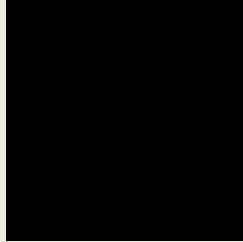
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

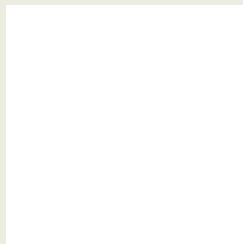
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3308, 83.7831, 82.5643

Background



This preview shows how black text looks on a background with the XYZ color 78.3308, 83.7831, 82.5643.

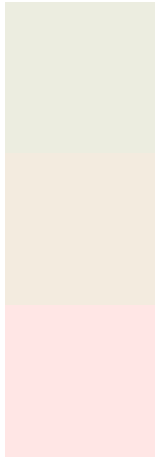


This preview shows how white text looks on a background with the XYZ color 78.3308, 83.7831,

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

78.3308, 83.7831, 82.5643

Protanopia

79.9898, 83.7991, 81.7710

Deuteranopia

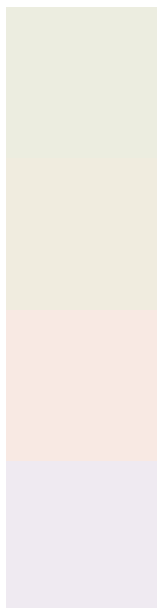
83.6797, 83.5108, 85.8375



Tritanopia

82.4867, 83.7681, 103.0881

Trichromacy



Original Color

78.3308, 83.7831, 82.5643

Protanomaly

79.2499, 83.8439, 81.8186

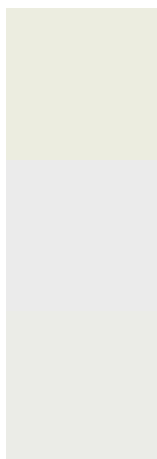
Deuteranomaly

81.7154, 83.7803, 84.5374

Tritanomaly

80.8966, 83.5472, 95.0816

Monochromacy



Original Color

78.3308, 83.7831, 82.5643

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6802, 83.4226, 87.5566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3308, 83.7831, 82.5643 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, 237, 224) looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 224)  
}
```

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, 237, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 224) }
```

Border

The CSS property to change the border of an element to XYZ 78.3308, 83.7831, 82.5643 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, 237, 224) }
```


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

```
.border{ border-color:rgb(236, 237, 224) }
```

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

Here you see how a box with a 4 pixel rgb(236, 237, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 224);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3308, 83.7831, 82.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 224) }
```

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

```
.background{ background-color: rgb(236,  
237, 224) }
```

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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