

Converting Colors

XYZ(77.6585, 82.7965, 82.0635)

Have a look what the booklet for
XYZ(77.6585, 82.7965, 82.0635)
contains.

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Color

**XYZ(77.4238, 82.4606,
82.3568)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEBE0
RGB	235, 235, 224
RGB Percent	92%, 92%, 88%
CMY	0.0784, 0.0784, 0.1216
CMYK	0.00, 0.00, 0.05, 0.08
HSL	60°, 22%, 90%
HSV	60°, 5%, 92%
XYZ	77.4238, 82.4606, 82.3568
YIQ	233.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

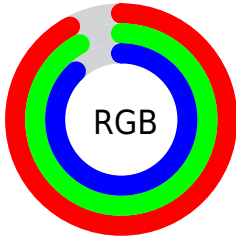
Format	Color
R_{YB}	224, 235, 224
Decimal	15461344
CIE Lab	92.78, -1.91, 5.32
CIE LCh	93, 5.654, 109.715
Yxy	82.4606, 0.3196, 0.3404
Android (android.graphics.Color)	4293651424 (0xFFEBEBE0)
YUV	233.7460, -4.8048, 1.0998
Hunter-Lab	90.8078, -6.7225, 9.7933

Details

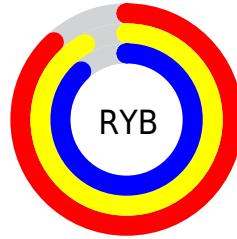
The XYZ color **77.4238, 82.4606, 82.3568** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.3946, 75.1589, 89.2930**, and the grayscale version is **78.0499, 82.1146, 89.4228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8719, 44.6885, 43.9550** is the 20% darker color. If you saturate the color by 10%, you get **74.4523, 81.2743, 66.7146**, and if you desaturate by 10%, it is **80.8405, 83.8303, 100.3227**.

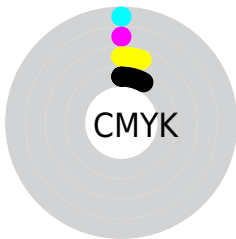
Distribution



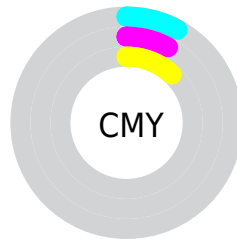
- Red (92%)
- Green (92%)
- Blue (88%)



- Red (88%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4238, 82.4606, 82.3568 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 77.4238, 82.4606, 82.3568 by changing the saturation by 10% instead.

■ 77.4238, 82.4606,
82.3568

■ 77.4238, 82.4606,
82.3568

475.0776,
503.1871, 522.7551

■ 57.9019, 61.7453,
61.1222

128.7072,
136.8197, 138.5154

■ 41.9727, 44.8269,
43.8926

161.1994,
171.2323, 174.2765

■ 29.2710, 31.3211,
30.2495

198.7458,
210.9795, 215.7167

■ 19.4312, 20.8435,
19.7744

241.7117,
256.4455, 263.2547

■ 12.0881, 13.0096,
12.0487

290.4625,
308.0149, 317.3090

■ 6.8763, 7.4352,
6.6539

345.3635,

■ 3.4305, 3.7357,

366.0721, 378.2982

3.1715

406.7801,
431.0013, 446.6407

■ 1.3853, 1.5269,
1.1828

■ 0.2457, 0.3075,
0.0000

■ 77.4238, 82.4606,
82.3568

■ 77.4238, 82.4606,
82.3568

■ 74.4523, 81.2743,
66.7146

■ 80.8405, 83.8303,
100.3227

■ 71.9011, 80.2535,
53.2961

■ 82.0274, 84.3054,
106.5570

■ 69.7534, 79.3940,
42.0021

■ 82.0304, 84.3070,
106.5571

■ 67.9884, 78.6877,
32.7238

■ 82.0335, 84.3085,
106.5573

66.5837, 78.1255,
25.3425

82.0365, 84.3101,
106.5574

65.5144, 77.6974,
19.7274

82.0395, 84.3117,
106.5576

64.7524, 77.3923,
15.7311

82.0426, 84.3132,
106.5577

64.2654, 77.1971,
13.1822

82.0456, 84.3148,
106.5579

64.0134, 77.0959,
11.8711

82.0487, 84.3164,
106.5580

Harmonies

Analogous

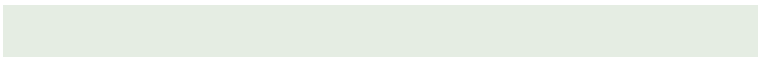
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8836, 82.4606, 82.0311



77.4238, 82.4606, 82.3568



76.2334, 82.4606, 84.6372

Triad

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



77.4238, 82.4606, 82.3568



76.5574, 82.4606, 96.1230



81.1991, 82.4606, 91.2431

Complementary

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



77.4238, 82.4606, 82.3568



72.3946, 75.1589, 89.2930

Split Complementary

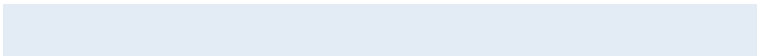
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5590, 82.4606, 95.1386



77.4238, 82.4606, 82.3568



77.8712, 82.4606, 98.0140

Square

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



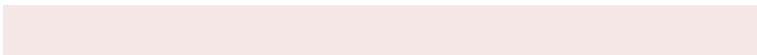
77.4238, 82.4606, 82.3568



75.7376, 82.4606, 92.5526



79.3366, 82.4606, 97.6482



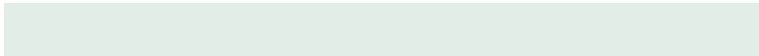
81.0757, 82.4606, 87.0742

Rectangle

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



77.4238, 82.4606, 82.3568



75.7470, 82.4606, 86.9999



79.3366, 82.4606, 97.6482



81.0658, 82.4606, 92.6301

Sweetspot

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



77.4261, 82.4642, 82.3586



94.6417, 99.8367, 106.7520



74.3737, 76.3572, 81.3407



20.2615, 21.3709, 22.8720



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.



77.4261, 82.4642, 82.3586



92.6814, 99.0523, 96.4388



75.6388, 81.5428, 82.2749



16.5375, 17.7011, 17.0382



35.5852, 42.8893, 6.4029



2.7945, 3.3679, 0.5028

Inverse Universe

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



72.3946, 75.1589, 89.2930



84.9573, 87.8375, 107.0844



74.1264, 76.0517, 89.3741



15.0247, 15.5048, 19.1231



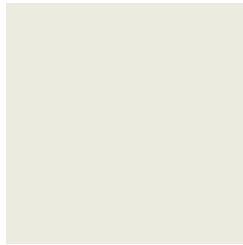
8.3465, 3.3387, 43.9475



0.6556, 0.2623, 3.4509

Previews

White Background



This preview shows how the XYZ color 77.4238, 82.4606, 82.3568 looks on a white background.

Color Contrast Check

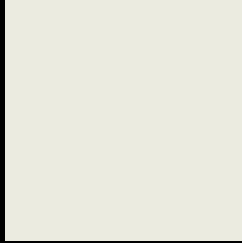
Large Text (above 18pt) WCAG AA × Fail

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 77.4238, 82.4606, 82.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

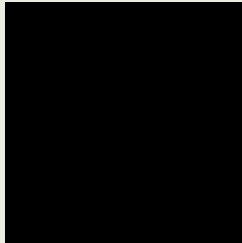
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

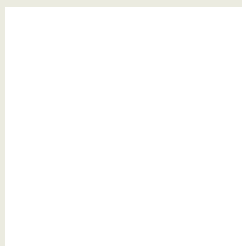
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4238, 82.4606, 82.3568

Background



This preview shows how black text looks on a background with the XYZ color 77.4238, 82.4606, 82.3568.



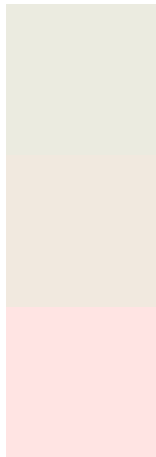
This preview shows how white text looks on a background with the XYZ color 77.4238, 82.4606,

82.3568.

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

77.4238, 82.4606, 82.3568

Protanopia

78.7338, 82.3063, 81.5490

Deuteranopia

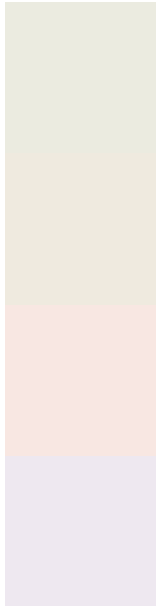
82.8485, 82.2929, 84.1906



Tritanopia

81.2714, 82.3421, 101.2327

Trichromacy



Original Color

77.4238, 82.4606, 82.3568

Protanomaly

78.3387, 82.5241, 81.6119

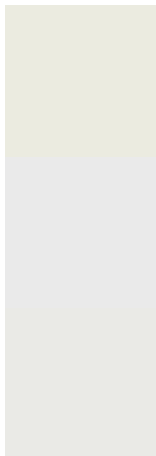
Deuteranomaly

81.0148, 82.5993, 83.6248

Tritanomaly

79.8447, 82.1816, 94.0925

Monochromacy



Original Color

77.4238, 82.4606, 82.3568

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6374, 82.0512, 86.6085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4238, 82.4606, 82.3568 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(235, 235, 224) looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 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(235, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 224) }
```

Border

The CSS property to change the border of an element to XYZ 77.4238, 82.4606, 82.3568 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(235, 235, 224) }
```


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

```
.border{ border-color:rgb(235, 235, 224) }
```

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

Here you see how a box with a 4 pixel rgb(235, 235, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4238, 82.4606, 82.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 224) }
```

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

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