

Converting Colors

XYZ(77.9034, 82.7324, 82.9941)

Have a look what the booklet for
XYZ(77.9034, 82.7324, 82.9941)
contains.

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Color

**XYZ(77.8910, 82.6858,
83.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEBE1
RGB	236, 235, 225
RGB Percent	93%, 92%, 88%
CMY	0.0745, 0.0784, 0.1176
CMYK	0.00, 0.00, 0.05, 0.07
HSL	55°, 22%, 90%
HSV	55°, 5%, 93%
XYZ	77.8910, 82.6858, 83.0888
YIQ	234.1590, 3.8060, -2.8980

Conversions

Conversions Part 2

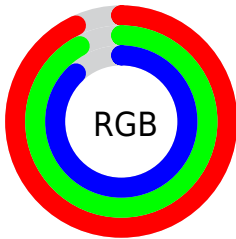
Format	Color
R _Y B	226, 236, 225
Decimal	15526881
CIE Lab	92.88, -1.40, 4.95
CIE LCh	93, 5.147, 105.739
Yxy	82.6858, 0.3197, 0.3393
Android (android.graphics.Color)	4293716961 (0xFFECEBE1)
YUV	234.1590, -4.5154, 1.6146
Hunter-Lab	90.9317, -6.2296, 9.4760

Details

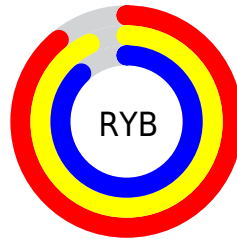
The XYZ color **77.8910, 82.6858, 83.0888** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.3879, 76.4552, 90.2472**, and the grayscale version is **78.3602, 82.4411, 89.7783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1982, 44.8458, 44.4622** is the 20% darker color. If you saturate the color by 10%, you get **74.2845, 80.2733, 67.0854**, and if you desaturate by 10%, it is **81.9545, 85.2982, 101.4420**.

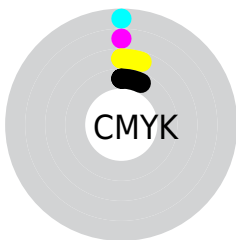
Distribution



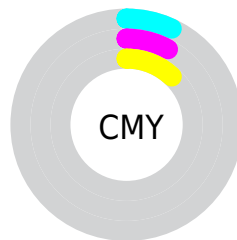
- Red (93%)
- Green (92%)
- Blue (88%)



- Red (89%)
- Yellow (93%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8910, 82.6858, 83.0888 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 77.8910, 82.6858, 83.0888 by changing the saturation by 10% instead.

■ 77.8910, 82.6858,
83.0888

■ 77.8910, 82.6858,
83.0888

476.6420,
503.9388, 525.2612

■ 58.2869, 61.9310,
61.7224

129.3626,
137.1353, 139.5502

■ 42.2835, 44.9769,
44.3741

161.9609,
171.5988, 175.4822

■ 29.5154, 31.4393,
30.6253

199.6213,
211.4006, 217.1065

■ 19.6173, 20.9336,
20.0577

242.7091,
256.9252, 264.8416

■ 12.2238, 13.0754,
12.2525

291.5897,
308.5569, 319.1061

■ 6.9696, 7.4805,
6.7912

346.6285,

■ 3.4892, 3.7644,

366.6801, 380.3185

3.2554

408.1908,
431.6793, 448.8974

■ 1.4175, 1.5427,
1.2265

■ 0.2686, 0.3185,
0.0004

■ 77.8910, 82.6858,
83.0888

■ 77.8910, 82.6858,
83.0888

■ 74.2845, 80.2733,
67.0854

■ 81.9545, 85.2982,
101.4420

■ 71.1100, 78.0426,
53.3309

■ 83.5902, 86.9486,
106.9848

■ 68.3503, 75.9896,
41.7248

■ 84.2202, 88.2085,
107.1948

■ 65.9846, 74.1057,
32.1574

■ 84.8576, 89.4833,
107.4073

63.9900, 72.3819,
24.5087

85.5024, 90.7729,
107.6222

62.3414, 70.8080,
18.6466

86.1547, 92.0775,
107.8396

61.0106, 69.3727,
14.4221

86.8145, 93.3971,
108.0596

59.9646, 68.0628,
11.6621

87.4818, 94.7316,
108.2820

59.1631, 66.8622,
10.1549

88.1566, 96.0813,
108.5069

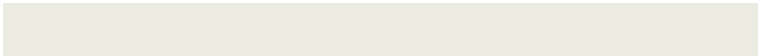
Harmonies

Analogous

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



79.2291, 82.6858, 83.0420



77.8910, 82.6858, 83.0888



76.7529, 82.6858, 84.9601

Triad

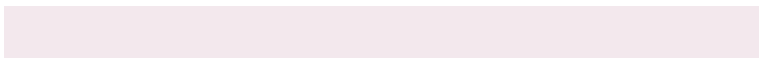
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8910, 82.6858, 83.0888



76.7993, 82.6858, 95.4396



81.1234, 82.6858, 91.8676

Complementary

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



77.8910, 82.6858, 83.0888



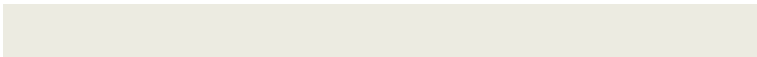
73.3879, 76.4552, 90.2472

Split Complementary

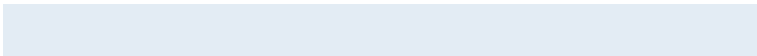
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4570, 82.6858, 95.2993



77.8910, 82.6858, 83.0888



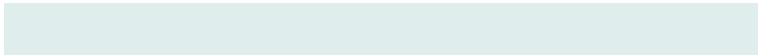
77.9550, 82.6858, 97.4011

Square

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



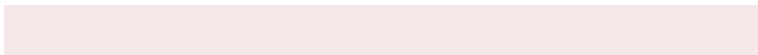
77.8910, 82.6858, 83.0888



76.1275, 82.6858, 92.0547



79.2939, 82.6858, 97.3490



81.1058, 82.6858, 88.0368

Rectangle

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



77.8910, 82.6858, 83.0888



76.2563, 82.6858, 87.0218



79.2939, 82.6858, 97.3490



80.9716, 82.6858, 93.1084

Sweetspot

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



77.8933, 82.6894, 83.0906



94.5685, 99.6897, 106.7275



75.2596, 77.1810, 82.9555



20.2466, 21.3410, 22.8670



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.



77.8933, 82.6894, 83.0906



92.2435, 98.1732, 96.2922



76.7361, 82.5171, 83.1183



16.4514, 17.5283, 17.0094



32.4626, 36.6195, 5.3573



2.5832, 2.9438, 0.4321

Inverse Universe

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



73.3879, 76.4552, 90.2472



85.3638, 88.6535, 107.2204



74.5075, 76.6317, 90.2222



15.1040, 15.6639, 19.1496



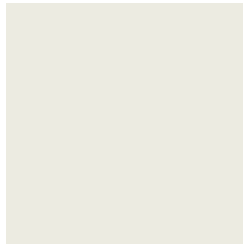
8.5367, 3.7203, 44.0111



0.7079, 0.3673, 3.4685

Previews

White Background



This preview shows how the XYZ color 77.8910, 82.6858, 83.0888 looks on a white background.

Color Contrast Check

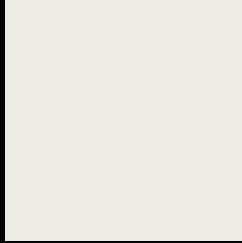
Large Text (above 18pt) WCAG AA × Fail

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 77.8910, 82.6858, 83.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

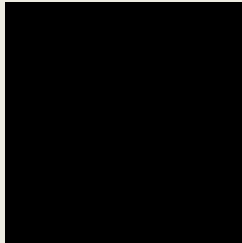
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

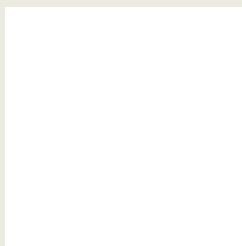
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8910, 82.6858, 83.0888

Background



This preview shows how black text looks on a background with the XYZ color 77.8910, 82.6858, 83.0888.



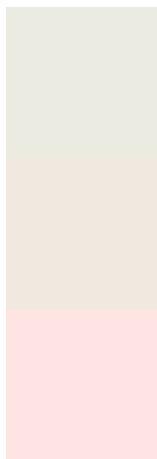
This preview shows how white text looks on a background with the XYZ color 77.8910, 82.6858,

83.0888.

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

77.8910, 82.6858, 83.0888

Protanopia

78.8691, 82.3604, 82.2613

Deuteranopia

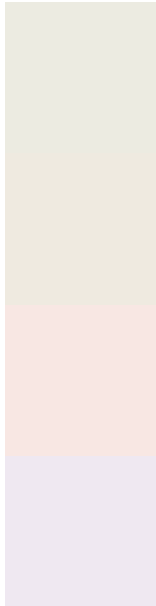
82.9870, 82.3482, 84.9197



Tritanopia

81.7664, 82.5792, 102.0723

Trichromacy



Original Color

77.8910, 82.6858, 83.0888

Protanomaly

78.4740, 82.5782, 82.3242

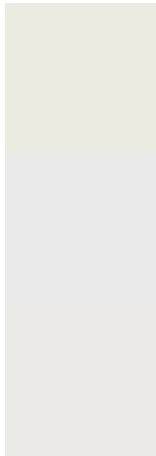
Deuteranomaly

81.1524, 82.6543, 84.3497

Tritanomaly

80.3304, 82.4148, 94.8929

Monochromacy



Original Color

77.8910, 82.6858, 83.0888

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 77.8910, 82.6858, 83.0888 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, 235, 225) looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 225)  
}
```

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, 235, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 225) }
```

Border

The CSS property to change the border of an element to XYZ 77.8910, 82.6858, 83.0888 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, 235, 225) }
```


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

```
.border{ border-color:rgb(236, 235, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 225);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8910, 82.6858, 83.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 225) }
```

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

```
.background{ background-color: rgb(236,  
235, 225) }
```

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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