

Converting Colors

XYZ(78.4036, 82.5034, 80.5627)

Have a look what the booklet for
XYZ(78.4036, 82.5034, 80.5627)
contains.

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Color

**XYZ(78.5428, 82.6448,
80.9196)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EADE
RGB	240, 234, 222
RGB Percent	94%, 92%, 87%
CMY	0.0588, 0.0823, 0.1294
CMYK	0.00, 0.02, 0.07, 0.06
HSL	40°, 38%, 91%
HSV	40°, 7%, 94%
XYZ	78.5428, 82.6448, 80.9196
YIQ	234.4260, 7.4280, -2.4600

Conversions

Conversions Part 2

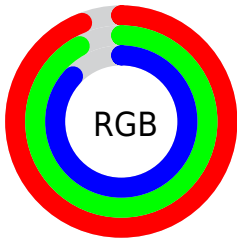
Format	Color
R _Y B	231, 240, 222
Decimal	15788766
CIE Lab	92.86, -0.02, 6.53
CIE LCh	93, 6.528, 90.150
Yxy	82.6448, 0.3244, 0.3414
Android (android.graphics.Color)	4293978846 (0xFFFF0EAD E)
YUV	234.4260, -6.1260, 4.8884
Hunter-Lab	90.9092, -4.8724, 10.8615

Details

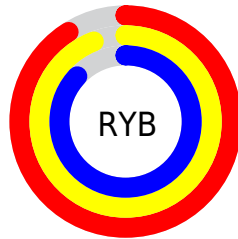
The XYZ color **78.5428, 82.6448, 80.9196** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.5957, 77.3064, 93.4817**, and the grayscale version is **78.5725, 82.6644, 90.0215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6626, 44.8212, 42.9620** is the 20% darker color. If you saturate the color by 10%, you get **73.3283, 77.0018, 64.4250**, and if you desaturate by 10%, it is **84.3225, 88.6836, 99.8636**.

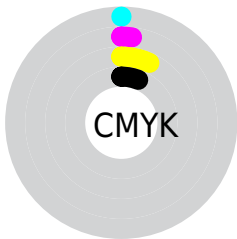
Distribution



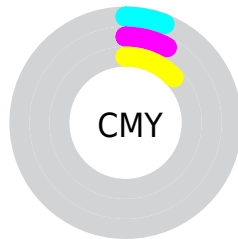
- Red (94%)
- Green (92%)
- Blue (87%)



- Red (91%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (6%)



- Cyan (6%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5428, 82.6448, 80.9196 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 78.5428, 82.6448, 80.9196 by changing the saturation by 10% instead.

78.5428, 82.6448,
80.9196

78.5428, 82.6448,
80.9196

478.8199,
503.8020, 517.8148

58.8243, 61.8972,
59.9448

130.2763,
137.0779, 136.4809

42.7175, 44.9496,
42.9491

163.0221,
171.5321, 171.9045

29.8571, 31.4177,
29.5141

200.8410,
211.3240, 212.9814

19.8777, 20.9172,
19.2211

244.0984,
256.8379, 260.1302

12.4139, 13.0635,
11.6518

293.1596,
308.4583, 313.7694

7.1004, 7.4723,
6.3874

348.3901,

3.5719, 3.7592,

366.5695, 374.3175

3.0095

410.1550,
431.5559, 442.1932

■ 1.4629, 1.5398,
1.0995

■ 0.3004, 0.3165,
0.0000

■ 78.5428, 82.6448,
80.9196

■ 78.5428, 82.6448,
80.9196

■ 73.3283, 77.0018,
64.4250

■ 84.3225, 88.6836,
99.8636

■ 68.6516, 71.7334,
50.2727

■ 88.1694, 94.1130,
108.1263

■ 64.4930, 66.8322,
38.3555

■ 89.7456, 97.2655,
108.6518

■ 60.8289, 62.2866,
28.5555

■ 57.6335, 58.0839,
20.7444

■ 54.8783, 54.2105,
14.7792

■ 52.5311, 50.6512,
10.4981

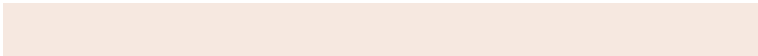
■ 50.5545, 47.3883,
7.7107

■ 48.8991, 44.3998,
6.1651

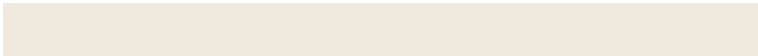
Harmonies

Analogous

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



80.1945, 82.6448, 82.0856



78.5428, 82.6448, 80.9196



76.9162, 82.6448, 82.1088

Triad

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



78.5428, 82.6448, 80.9196



75.7504, 82.6448, 94.7850



81.4294, 82.6448, 94.7408

Complementary

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



78.5428, 82.6448, 80.9196



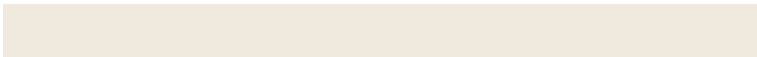
73.5957, 77.3064, 93.4817

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.



80.2096, 82.6448, 98.3518



78.5428, 82.6448, 80.9196



76.9309, 82.6448, 98.3780

Square

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



78.5428, 82.6448, 80.9196



75.3183, 82.6448, 90.0108



78.5600, 82.6448, 99.7058



81.8757, 82.6448, 89.9615

Rectangle

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



78.5428, 82.6448, 80.9196



76.0612, 82.6448, 84.1028



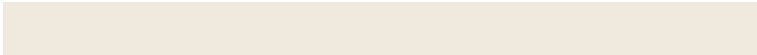
78.5600, 82.6448, 99.7058



81.0954, 82.6448, 96.1377

Sweetspot

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



78.5451, 82.6484, 80.9214



93.7001, 98.5968, 104.4528



76.0611, 76.3704, 84.1320



20.0699, 21.1186, 22.4038



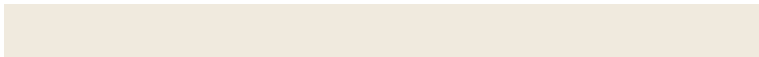
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.5451, 82.6484, 80.9214



89.1822, 93.8283, 89.7914



79.2710, 85.5996, 81.4528



16.6536, 17.5202, 16.6537



26.6858, 24.1696, 3.2587



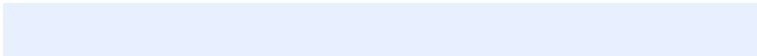
2.3110, 2.1927, 0.3014

Inverse Universe

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



73.5957, 77.3064, 93.4817



82.4151, 86.5246, 106.9649



72.9019, 74.5426, 92.9848



15.3274, 16.0889, 20.0192



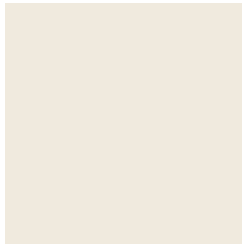
10.2869, 6.7980, 45.8978



0.9439, 0.7417, 3.8476

Previews

White Background



This preview shows how the XYZ color 78.5428, 82.6448, 80.9196 looks on a white background.

Color Contrast Check

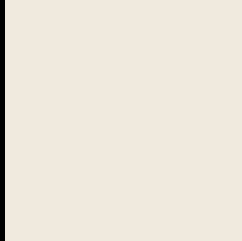
Large Text (above 18pt) WCAG AA × Fail

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 78.5428, 82.6448, 80.9196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

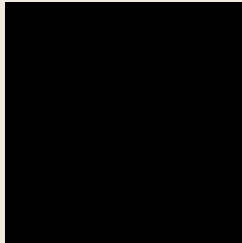
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

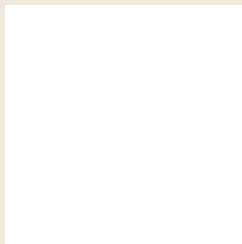
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5428, 82.6448, 80.9196

Background



This preview shows how black text looks on a background with the XYZ color 78.5428, 82.6448, 80.9196.



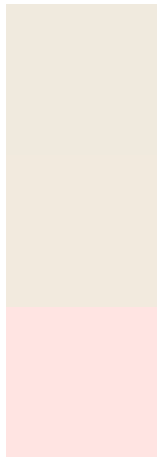
This preview shows how white text looks on a background with the XYZ color 78.5428, 82.6448,

80.9196.

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

78.5428, 82.6448, 80.9196

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

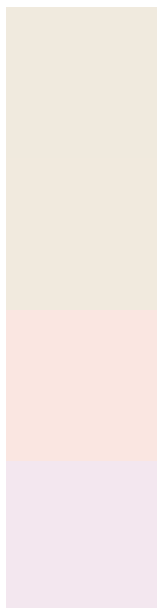
82.7109, 82.2378, 83.4657



Tritanopia

82.5483, 82.6040, 100.4003

Trichromacy



Original Color

78.5428, 82.6448, 80.9196

Protanomaly

78.8833, 82.8203, 80.9356

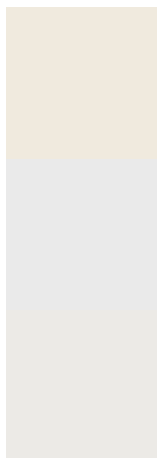
Deuteranomaly

81.3118, 82.3539, 82.8445

Tritanomaly

81.1180, 82.4385, 93.2982

Monochromacy



Original Color

78.5428, 82.6448, 80.9196

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2978, 82.3917, 86.6394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5428, 82.6448, 80.9196 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(240, 234, 222) looks like.

```
.text, #text, p{  
    color:rgb(240, 234, 222)  
}
```

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(240, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 222) }
```

Border

The CSS property to change the border of an element to XYZ 78.5428, 82.6448, 80.9196 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(240, 234, 222) }
```


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

```
.border{ border-color:rgb(240, 234, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 234, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5428, 82.6448, 80.9196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 222) }
```

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

```
.background{ background-color: rgb(240,  
234, 222) }
```

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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