

Converting Colors

XYZ(78.5175, 82.1553, 83.6960)

Have a look what the booklet for
XYZ(78.5175, 82.1553, 83.6960)
contains.

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Color

**XYZ(78.4630, 82.1195,
83.6667)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE9E2
RGB	239, 233, 226
RGB Percent	94%, 91%, 89%
CMY	0.0627, 0.0863, 0.1137
CMYK	0.00, 0.03, 0.05, 0.06
HSL	32°, 29%, 91%
HSV	32°, 5%, 94%
XYZ	78.4630, 82.1195, 83.6667
YIQ	233.9960, 5.8230, -0.9050

Conversions

Conversions Part 2

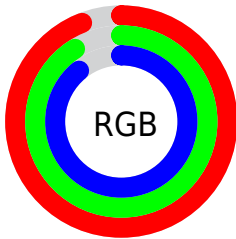
Format	Color
R _Y B	237, 239, 226
Decimal	15722978
CIE Lab	92.63, 0.82, 4.10
CIE LCh	93, 4.183, 78.694
Yxy	82.1195, 0.3212, 0.3362
Android (android.graphics.Color)	4293913058 (0xFFEFE9E2)
YUV	233.9960, -3.9420, 4.3885
Hunter-Lab	90.6198, -4.0308, 8.6931

Details

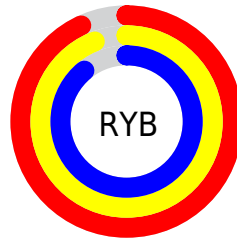
The XYZ color **78.4630, 82.1195, 83.6667** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.8006, 80.1129, 93.1307**, and the grayscale version is **78.2315, 82.3056, 89.6308**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6013, 44.4518, 44.8628** is the 20% darker color. If you saturate the color by 10%, you get **72.3864, 74.8532, 66.5731**, and if you desaturate by 10%, it is **85.1964, 89.9657, 103.2366**.

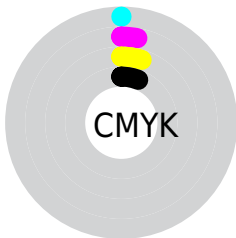
Distribution



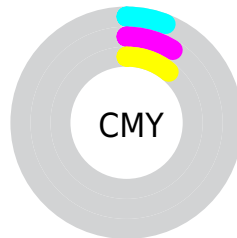
- Red (94%)
- Green (91%)
- Blue (89%)



- Red (93%)
- Yellow (94%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4630, 82.1195, 83.6667 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 78.4630, 82.1195, 83.6667 by changing the saturation by 10% instead.

78.4630, 82.1195,
83.6667

78.4630, 82.1195,
83.6667

478.5536,
502.0473, 527.2349

58.7585, 61.4640,
62.1965

130.1645,
136.3416, 140.3664

42.6644, 44.5998,
44.7547

162.8922,
170.6770, 176.4330

29.8152, 31.1423,
30.9227

200.6918,
210.3411, 218.2021

19.8458, 20.7072,
20.2820

243.9284,
255.7185, 266.0924

12.3906, 12.9102,
12.4141

292.9676,
307.1934, 320.5222

7.0844, 7.3667,
6.9004

348.1746,

3.5617, 3.6925,

365.1502, 381.9102

3.3224

409.9148,
429.9734, 450.6749

■ 1.4573, 1.5031,
1.2615

■ 0.2965, 0.2909,
0.0299

■ 78.4630, 82.1195,
83.6667

■ 78.4630, 82.1195,
83.6667

■ 72.3864, 74.8532,
66.5731

■ 85.1964, 89.9657,
103.2366

■ 66.9373, 68.1416,
51.8502

■ 89.4071, 97.0910,
108.6359

■ 62.0944, 61.9729,
39.3928

■ 57.8321, 56.3310,
29.0854

■ 54.1231, 51.1988,
20.8024

■ 50.9372, 46.5577,
14.4049

■ 48.2408, 42.3878,
9.7362

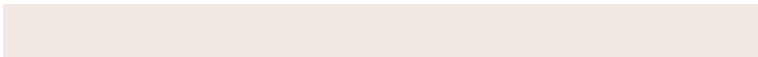
■ 45.9953, 38.6668,
6.6138

■ 44.1539, 35.3688,
4.8133

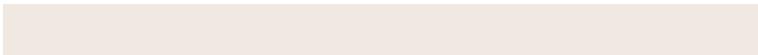
Harmonies

Analogous

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



79.4412, 82.1195, 84.9885



78.4630, 82.1195, 83.6667



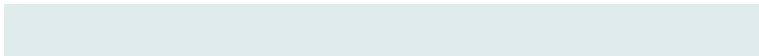
77.3835, 82.1195, 83.8580

Triad

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



78.4630, 82.1195, 83.6667



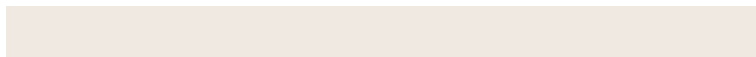
76.0872, 82.1195, 91.3483



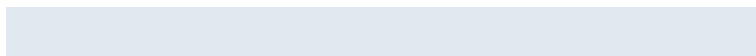
79.6342, 82.1195, 93.4277

Complementary

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



78.4630, 82.1195, 83.6667



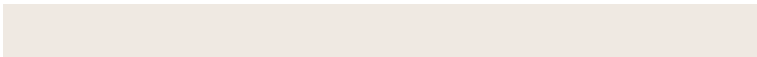
75.8006, 80.1129, 93.1307

Split Complementary

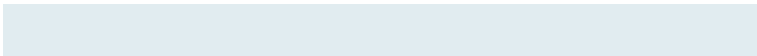
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7246, 82.1195, 95.2105



78.4630, 82.1195, 83.6667



76.6793, 82.1195, 93.9909

Square

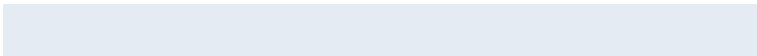
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



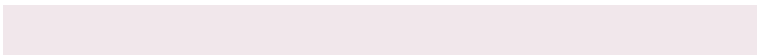
78.4630, 82.1195, 83.6667



76.0186, 82.1195, 88.2446



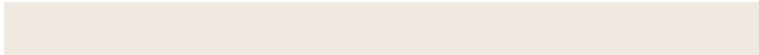
77.6427, 82.1195, 95.4190



80.1216, 82.1195, 90.5940

Rectangle

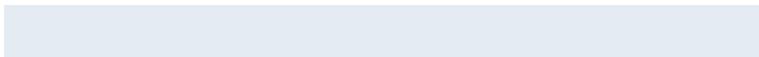
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4630, 82.1195, 83.6667



76.7516, 82.1195, 84.8189



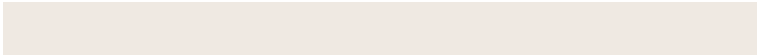
77.6427, 82.1195, 95.4190



79.3673, 82.1195, 94.1725

Sweetspot

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



78.4653, 82.1231, 83.6685



93.4938, 98.1842, 104.3841



77.3691, 78.5747, 87.4834



20.0279, 21.0346, 22.3898



0.0000, 0.0000, 0.0000



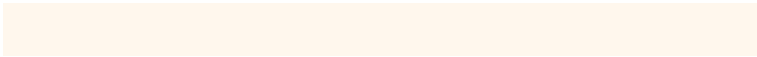
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4653, 82.1231, 83.6685



89.7376, 93.7624, 93.6040



80.0456, 85.5005, 84.2371



16.7333, 17.4731, 17.3175



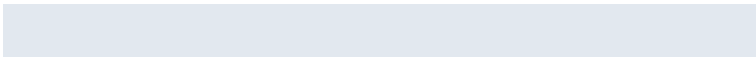
24.1257, 19.0495, 2.4054



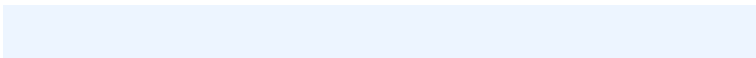
2.1065, 1.7836, 0.2333

Inverse Universe

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



75.8006, 80.1129, 93.1307



85.7935, 90.7870, 107.6096



74.2776, 76.8649, 92.5840



15.9389, 16.8738, 20.1385



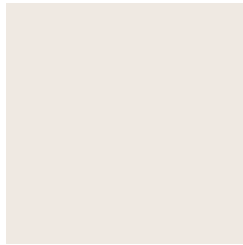
11.8332, 9.8907, 46.4133



1.0829, 1.0197, 3.8940

Previews

White Background



This preview shows how the XYZ color 78.4630, 82.1195, 83.6667 looks on a white background.

Color Contrast Check

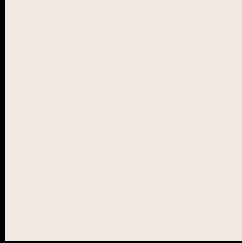
Large Text (above 18pt) WCAG AA × Fail

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 78.4630, 82.1195, 83.6667 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

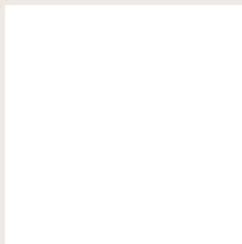
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4630, 82.1195, 83.6667

Background



This preview shows how black text looks on a background with the XYZ color 78.4630, 82.1195, 83.6667.

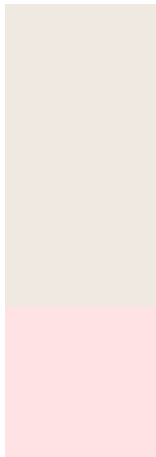


This preview shows how white text looks on a background with the XYZ color 78.4630, 82.1195,

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

78.4630, 82.1195, 83.6667

Protanopia

78.8016, 82.2941, 83.6826

Deuteranopia

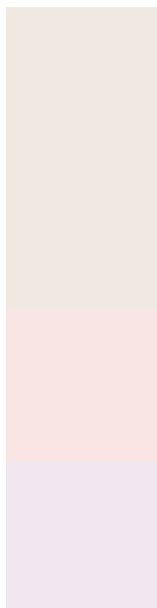
82.7127, 81.7996, 84.8283



Tritanopia

81.8580, 82.2482, 100.3680

Trichromacy



Original Color

78.4630, 82.1195, 83.6667

Protanomaly

78.8016, 82.2941, 83.6826

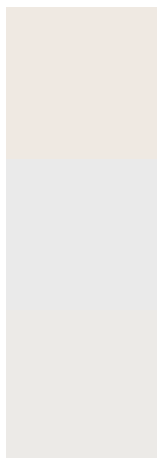
Deuteranomaly

80.9514, 81.7244, 84.1808

Tritanomaly

80.5797, 82.1439, 94.0464

Monochromacy



Original Color

78.4630, 82.1195, 83.6667

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.4387, 82.4480, 87.3812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4630, 82.1195, 83.6667 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(239, 233, 226) looks like.

```
.text, #text, p{  
    color:rgb(239, 233, 226)  
}
```

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(239, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.4630, 82.1195, 83.6667 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(239, 233, 226) }
```


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

```
.border{ border-color:rgb(239, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4630, 82.1195, 83.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 226) }
```

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

```
.background{ background-color: rgb(239,  
233, 226) }
```

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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