

Converting Colors

XYZ(83.6414, 86.8863, 85.7640)

Have a look what the booklet for
XYZ(83.6414, 86.8863, 85.7640)
contains.

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Color

**XYZ(83.6450, 86.8902,
85.7617)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EEE4
RGB	249, 238, 228
RGB Percent	98%, 93%, 89%
CMY	0.0235, 0.0666, 0.1059
CMYK	0.00, 0.04, 0.08, 0.02
HSL	29°, 64%, 94%
HSV	29°, 8%, 98%
XYZ	83.6450, 86.8902, 85.7617
YIQ	240.1490, 9.7660, -0.7780

Conversions

Conversions Part 2

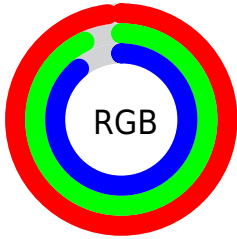
Format	Color
R_{YB}	249, 247, 228
Decimal	16379620
CIE _{Lab}	94.69, 2.03, 6.14
CIE _{LCh}	95, 6.471, 71.720
Yxy	86.8902, 0.3264, 0.3390
Android (android.graphics.Color)	4294569700 (0xFFFF9EEE4)
YUV	240.1490, -5.9895, 7.7623
Hunter-Lab	93.2149, -2.9518, 10.7011

Details

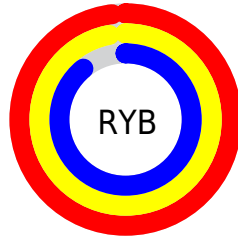
The XYZ color **83.6450, 86.8902, 85.7617** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9601, 85.0650, 101.8283**, and the grayscale version is **82.9832, 87.3048, 95.0749**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2631, 47.8105, 46.3252** is the 20% darker color. If you saturate the color by 10%, you get **76.7756, 78.2899, 67.6284**, and if you desaturate by 10%, it is **91.2921, 96.2471, 106.6125**.

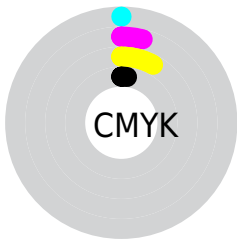
Distribution



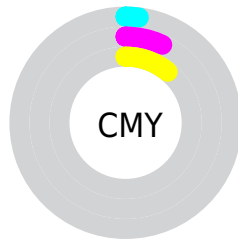
- Red (98%)
- Green (93%)
- Blue (89%)



- Red (98%)
- Yellow (97%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6450, 86.8902, 85.7617 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 83.6450, 86.8902, 85.7617 by changing the saturation by 10% instead.


 83.6450, 86.8902,
85.7617

 83.6450, 86.8902,
85.7617


495.6851,
517.8620, 534.3553

 63.0411, 65.4043,
63.9172


137.4023,
143.0111, 143.3205

 46.1332, 47.7890,
46.1378


171.2864,
178.4149, 179.8718

 32.5560, 33.6598,
32.0052

210.3280,
219.2268, 222.1626

 21.9442, 22.6324,
21.1006

254.8924,
265.8313, 270.6111

 13.9323, 14.3223,
13.0056

305.3449,
318.6126, 325.6362

 8.1549, 8.3452,
7.3016

362.0510,

 4.2469, 4.3166,

377.9553, 387.6562

3.5701

425.3759,
444.2436, 457.0897

■ 1.8427, 1.8522,
1.3926

■ 0.5432, 0.5194,
0.1360

■ 83.6450, 86.8902,
85.7617

■ 83.6450, 86.8902,
85.7617

■ 76.7756, 78.2899,
67.6284

■ 91.2921, 96.2471,
106.6125

■ 70.6497, 70.4148,
52.0934

■ 92.8773, 98.8799,
108.7983

■ 65.2409, 63.2476,
39.0371

■ 60.5186, 56.7661,
28.3281

■ 56.4495, 50.9468,
19.8228

■ 52.9969, 45.7643,
13.3614

■ 50.1200, 41.1911,
8.7624

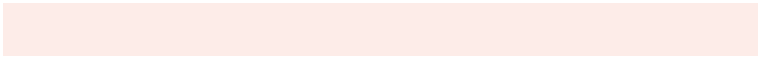
■ 47.7711, 37.1966,
5.8114

■ 45.8858, 33.7427,
4.2066

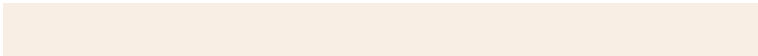
Harmonies

Analogous

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



85.1201, 86.8902, 88.3476



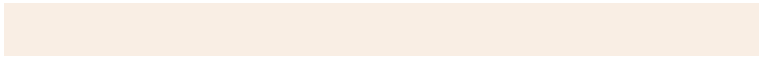
83.6450, 86.8902, 85.7617



81.9058, 86.8902, 85.4950

Triad

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



83.6450, 86.8902, 85.7617



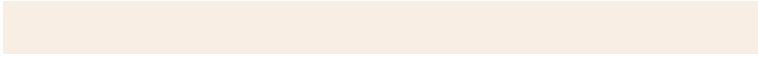
79.3398, 86.8902, 96.5770



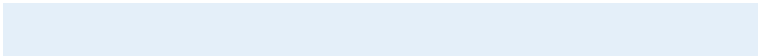
84.8430, 86.8902, 101.9751

Complementary

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



83.6450, 86.8902, 85.7617



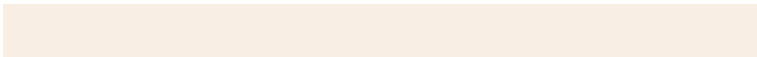
79.9601, 85.0650, 101.8283

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.



83.2710, 86.8902, 104.3480



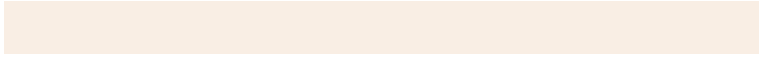
83.6450, 86.8902, 85.7617



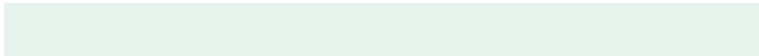
80.1037, 86.8902, 101.1587

Square

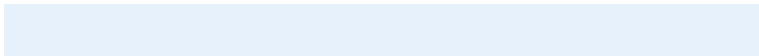
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6450, 86.8902, 85.7617



79.4367, 86.8902, 91.6221



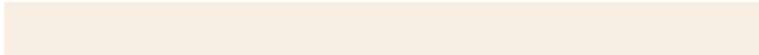
81.5370, 86.8902, 104.0440



85.8185, 86.8902, 97.6594

Rectangle

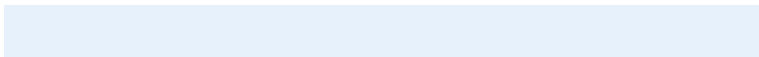
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6450, 86.8902, 85.7617



80.8323, 86.8902, 86.6564



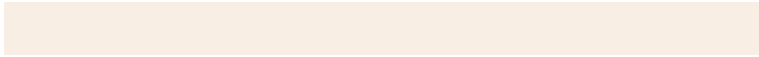
81.5370, 86.8902, 104.0440



84.3659, 86.8902, 103.0332

Sweetspot

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



83.6474, 86.8940, 85.7636



92.5780, 96.9880, 102.1203



82.4209, 81.8716, 93.2762



19.6768, 20.5897, 21.4797



0.0000, 0.0000, 0.0000



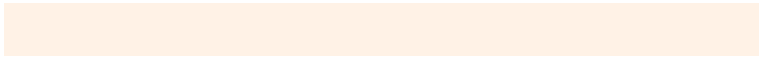
20.3446, 21.4041, 23.3091

Same Dimension

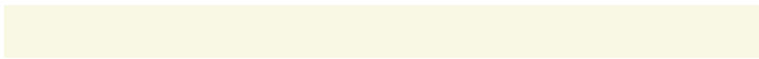
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6474, 86.8940, 85.7636



87.1004, 90.2403, 87.3227



86.7312, 93.0616, 86.7915



17.9267, 18.5893, 18.1057



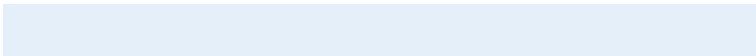
24.5595, 18.0756, 2.1945



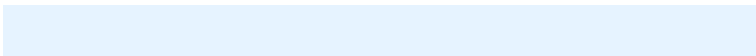
2.3800, 1.8849, 0.2384

Inverse Universe

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



79.9601, 85.0650, 101.8283



82.5291, 87.9728, 107.2384



77.0313, 79.2076, 100.8520



17.0351, 18.1471, 21.9902



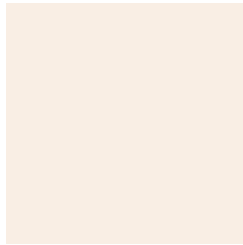
13.5959, 12.5473, 49.6788



1.3654, 1.3745, 4.6365

Previews

White Background



This preview shows how the XYZ color 83.6450, 86.8902, 85.7617 looks on a white background.

Color Contrast Check

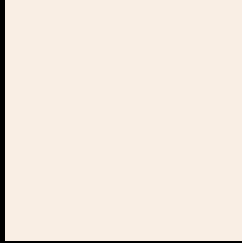
Large Text (above 18pt) WCAG AA × Fail

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 83.6450, 86.8902, 85.7617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

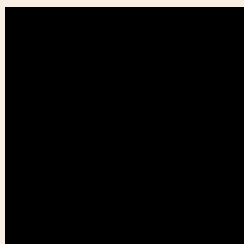
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

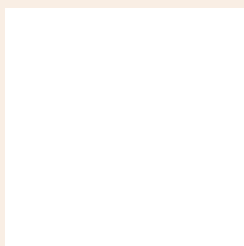
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6450, 86.8902, 85.7617

Background



This preview shows how black text looks on a background with the XYZ color 83.6450, 86.8902, 85.7617.



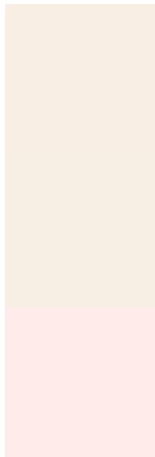
This preview shows how white text looks on a background with the XYZ color 83.6450, 86.8902,

85.7617.

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

83.6450, 86.8902, 85.7617

Protanopia

83.2279, 87.1086, 85.8258

Deuteranopia

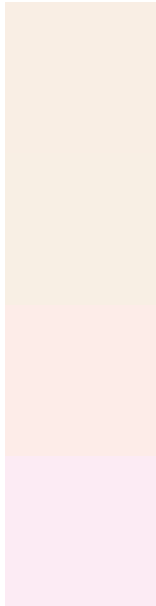
85.7996, 86.6172, 90.0386



Tritanopia

87.6605, 86.8201, 105.0663

Trichromacy



Original Color

83.6450, 86.8902, 85.7617

Protanomaly

83.5815, 87.2909, 85.8424

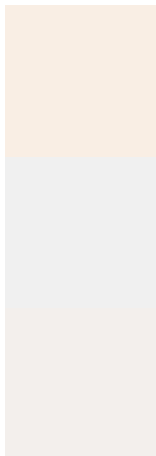
Deuteranomaly

85.0690, 86.6997, 88.5950

Tritanomaly

86.1823, 86.6438, 97.7696

Monochromacy



Original Color

83.6450, 86.8902, 85.7617

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.9690, 86.8438, 91.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6450, 86.8902, 85.7617 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(249, 238, 228) looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 228)  
}
```

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(249, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 228) }
```

Border

The CSS property to change the border of an element to XYZ 83.6450, 86.8902, 85.7617 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(249, 238, 228) }
```


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

```
.border{ border-color:rgb(249, 238, 228) }
```

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

Here you see how a box with a 4 pixel rgb(249, 238, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6450, 86.8902, 85.7617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 228) }
```

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

```
.background{ background-color: rgb(249,  
238, 228) }
```

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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