

Converting Colors

XYZ(81.8813, 87.4222, 85.8957)

Have a look what the booklet for
XYZ(81.8813, 87.4222, 85.8957)
contains.

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Color

**XYZ(81.7345, 87.2128,
85.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F1E4
RGB	241, 241, 228
RGB Percent	95%, 95%, 89%
CMY	0.0549, 0.0549, 0.1059
CMYK	0.00, 0.00, 0.05, 0.05
HSL	60°, 32%, 92%
HSV	60°, 5%, 95%
XYZ	81.7345, 87.2128, 85.9247
YIQ	239.5180, 4.1730, -4.0430

Conversions

Conversions Part 2

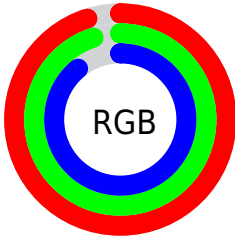
Format	Color
R_{YB}	228, 241, 228
Decimal	15856100
CIE _{Lab}	94.83, -2.24, 6.26
CIE _{LCh}	95, 6.651, 109.648
Yxy	87.2128, 0.3207, 0.3422
Android (android.graphics.Color)	4294046180 (0xFFFF1F1E4)
YUV	239.5180, -5.6784, 1.2997
Hunter-Lab	93.3878, -7.2026, 10.8196

Details

The XYZ color **81.7345, 87.2128, 85.9247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.6189, 78.3341, 94.3581**, and the grayscale version is **82.4905, 86.7864, 94.5104**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8994, 48.0293, 46.4393** is the 20% darker color. If you saturate the color by 10%, you get **78.6174, 85.9684, 69.5146**, and if you desaturate by 10%, it is **85.3229, 88.6513, 104.7950**.

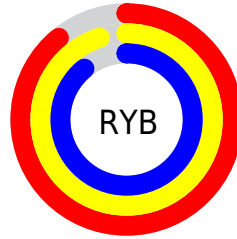
Distribution



Red (95%)

Green (95%)

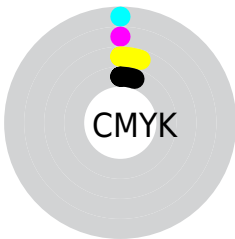
Blue (89%)



Red (89%)

Yellow (95%)

Blue (89%)

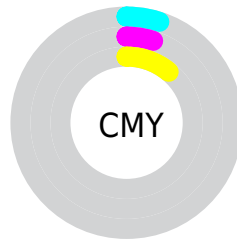


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7345, 87.2128, 85.9247 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 81.7345, 87.2128, 85.9247 by changing the saturation by 10% instead.

81.7345, 87.2128,
85.9247

81.7345, 87.2128,
85.9247

489.4071,
518.9219, 534.9071

61.4601, 65.6713,
64.0512

134.7394,
143.4607, 143.5500

44.8505, 48.0056,
46.2457

168.2006,
178.9359, 180.1389

31.5405, 33.8314,
32.0897

206.7880,
219.8245, 222.4699

21.1646, 22.7641,
21.1646

250.8671,
266.5109, 270.9617

13.3575, 14.4194,
13.0520

300.8032,
319.3794, 326.0328

7.7539, 8.4129,
7.3332

356.9617,

3.9883, 4.3603,

378.8145, 388.1017

3.5897

419.7079,
445.2005, 457.5869

■ 1.6955, 1.8771,
1.4031

■ 0.4535, 0.5345,
0.1441

■ 81.7345, 87.2128,
85.9247

■ 81.7345, 87.2128,
85.9247

■ 78.6174, 85.9684,
69.5146

■ 85.3229, 88.6513,
104.7950

■ 75.9451, 84.8992,
55.4581


■ 85.7889, 88.8381,
107.2336


■ 73.6996, 84.0007,
43.6488


■ 85.7919, 88.8396,
107.2338

■ 71.8588, 83.2640,
33.9706


■ 85.7948, 88.8411,
107.2339


 70.3986, 82.6796,
26.2963


 85.7977, 88.8426,
107.2341


 69.2922, 82.2367,
20.4856


 85.8007, 88.8441,
107.2342

 68.5097, 81.9233,
16.3802

 85.8036, 88.8456,
107.2343

 68.0159, 81.7255,
13.7953

 85.8066, 88.8472,
107.2345

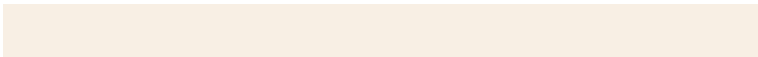
 67.7676, 81.6258,
12.5032

 85.8095, 88.8487,
107.2346

Harmonies

Analogous

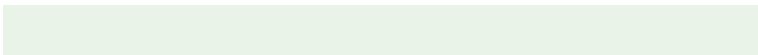
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5168, 87.2128, 85.5362



81.7345, 87.2128, 85.9247



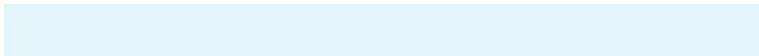
80.2826, 87.2128, 88.6835

Triad

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



81.7345, 87.2128, 85.9247



80.6716, 87.2128, 102.7183



86.3458, 87.2128, 96.7528

Complementary

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



81.7345, 87.2128, 85.9247



75.6189, 78.3341, 94.3581

Split Complementary

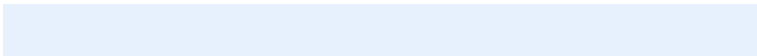
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5596, 87.2128, 101.5256



81.7345, 87.2128, 85.9247



82.2726, 87.2128, 105.0515

Square

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



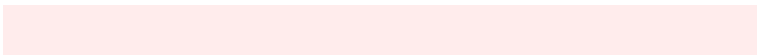
81.7345, 87.2128, 85.9247



79.6752, 87.2128, 98.3329



84.0627, 87.2128, 104.6073



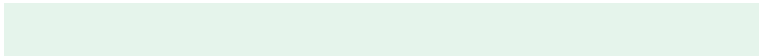
86.1966, 87.2128, 91.6649

Rectangle

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



81.7345, 87.2128, 85.9247



79.6894, 87.2128, 91.5531



84.0627, 87.2128, 104.6073



86.1817, 87.2128, 98.4503

Sweetspot

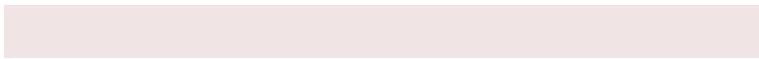
The Sweet Spot groups the original color and five complimentary colors.



81.7369, 87.2166, 85.9266



94.2390, 99.6755, 104.6327



78.0254, 79.7911, 84.6890



20.1795, 21.3381, 22.4404



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.



81.7369, 87.2166, 85.9266



92.6816, 99.0524, 96.4388



79.5582, 86.0934, 85.8246



17.3176, 18.5369, 17.8375



36.7133, 44.2480, 6.6057



3.0544, 3.6811, 0.5495

Inverse Universe

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



75.6189, 78.3341, 94.3581



84.9571, 87.8374, 107.0843



77.7193, 79.4168, 94.4564



15.7299, 16.2317, 20.0256



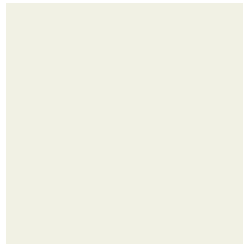
8.6107, 3.4444, 45.3389



0.7165, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 81.7345, 87.2128, 85.9247 looks on a white background.

Color Contrast Check

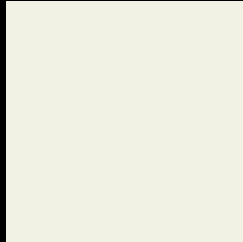
Large Text (above 18pt) WCAG AA × Fail

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 81.7345, 87.2128, 85.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

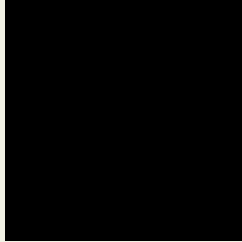
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

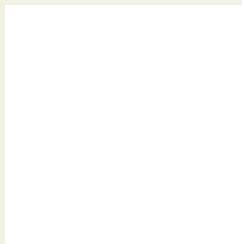
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7345, 87.2128, 85.9247

Background



This preview shows how black text looks on a background with the XYZ color 81.7345, 87.2128, 85.9247.



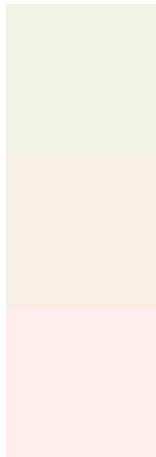
This preview shows how white text looks on a background with the XYZ color 81.7345, 87.2128, 85.9247.

85.9247.

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

81.7345, 87.2128, 85.9247

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

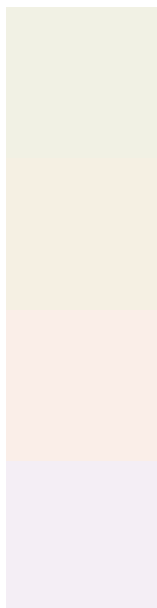
86.2308, 87.2491, 90.8932



Tritanopia

85.9904, 87.2009, 106.9070

Trichromacy



Original Color

81.7345, 87.2128, 85.9247

Protanomaly

82.6814, 87.2787, 85.1617

Deuteranomaly

84.5644, 87.2993, 88.7374

Tritanomaly

84.3642, 86.9747, 98.7275

Monochromacy



Original Color

81.7345, 87.2128, 85.9247

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.2356, 86.9016, 91.7963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7345, 87.2128, 85.9247 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(241, 241, 228) looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 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(241, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 228) }
```

Border

The CSS property to change the border of an element to XYZ 81.7345, 87.2128, 85.9247 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(241, 241, 228) }
```


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

```
.border{ border-color:rgb(241, 241, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 241, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7345, 87.2128, 85.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 228) }
```

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

```
.background{ background-color: rgb(241,  
241, 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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