

Converting Colors

XYZ(83.7149, 87.2542, 85.0543)

Have a look what the booklet for
XYZ(83.7149, 87.2542, 85.0543)
contains.

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Color

**XYZ(83.7986, 87.4188,
85.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EFE3
RGB	249, 239, 227
RGB Percent	98%, 94%, 89%
CMY	0.0235, 0.0627, 0.1098
CMYK	0.00, 0.04, 0.09, 0.02
HSL	33°, 65%, 93%
HSV	33°, 9%, 98%
XYZ	83.7986, 87.4188, 85.1299
YIQ	240.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

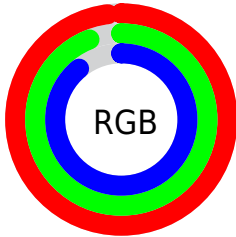
Format	Color
R _Y B	245, 249, 227
Decimal	16379875
CIE Lab	94.92, 1.36, 6.99
CIE LCh	95, 7.116, 79.005
Yxy	87.4188, 0.3269, 0.3410
Android (android.graphics.Color)	4294569955 (0xFF99E3)
YUV	240.6220, -6.7156, 7.3475
Hunter-Lab	93.4980, -3.6390, 11.4651

Details

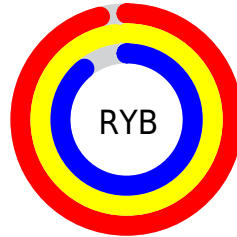
The XYZ color **83.7986, 87.4188, 85.1299** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0615, 83.7375, 101.6196**, and the grayscale version is **83.3598, 87.7010, 95.5064**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3722, 48.1830, 45.8859** is the 20% darker color. If you saturate the color by 10%, you get **77.3991, 79.7270, 67.2497**, and if you desaturate by 10%, it is **90.9074, 95.7318, 105.7007**.

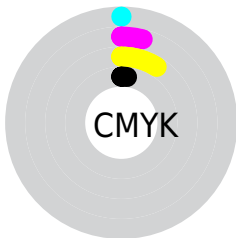
Distribution



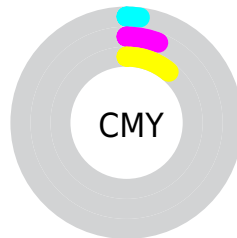
- Red (98%)
- Green (94%)
- Blue (89%)



- Red (96%)
- Yellow (98%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7986, 87.4188, 85.1299 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 83.7986, 87.4188, 85.1299 by changing the saturation by 10% instead.


 83.7986, 87.4188,
85.1299

 83.7986, 87.4188,
85.1299


496.1880,
519.5980, 532.2136

 63.1683, 65.8418,
63.3980


137.6161,
143.7477, 142.4304

 46.2365, 48.1440,
45.7202

171.5341,
179.2685, 178.8361

 32.6379, 33.9410,
31.6780


210.6120,
220.2060, 220.9701

 22.0071, 22.8482,
20.8529

255.2152,
266.9446, 269.2509

 13.9788, 14.4815,
12.8263

305.7090,
319.8687, 324.0971

 8.1875, 8.4563,
7.1797

362.4589,

 4.2680, 4.3883,

379.3627, 385.9273

3.4946

425.8300,
445.8110, 455.1599

■ 1.8548, 1.8931,
1.3524

■ 0.5504, 0.5442,
0.1042

■ 83.7986, 87.4188,
85.1299

■ 83.7986, 87.4188,
85.1299

■ 77.3991, 79.7270,
67.2497

■ 90.9074, 95.7318,
105.7007

■ 71.6765, 72.6288,
51.9413

■ 92.8774, 98.8800,
108.7983

■ 66.6068, 66.1113,
39.0855

■ 62.1613, 60.1566,
28.5512

■ 58.3088, 54.7457,
20.1948

■ 55.0151, 49.8581,
13.8569

■ 52.2416, 45.4713,
9.3556

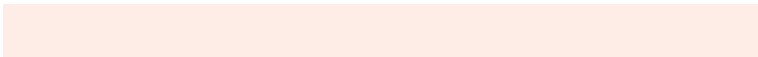
■ 49.9432, 41.5600,
6.4757

■ 48.0556, 38.0909,
4.9028

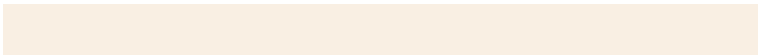
Harmonies

Analogous

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



85.5467, 87.4188, 87.3874



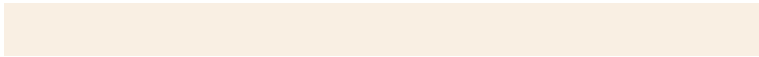
83.7986, 87.4188, 85.1299



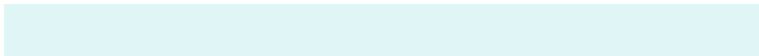
81.8866, 87.4188, 85.4870

Triad

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



83.7986, 87.4188, 85.1299



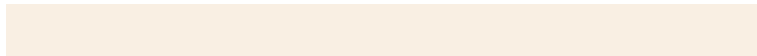
79.6301, 87.4188, 98.6865



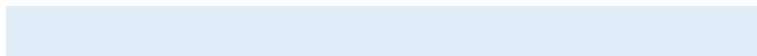
85.9208, 87.4188, 102.3262

Complementary

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



83.7986, 87.4188, 85.1299



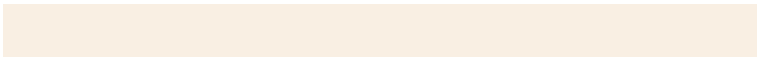
79.0615, 83.7375, 101.6196

Split Complementary

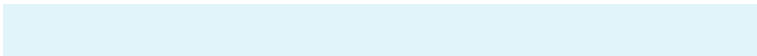
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3030, 87.4188, 105.5884



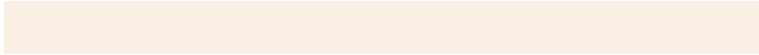
83.7986, 87.4188, 85.1299



80.6788, 87.4188, 103.4315

Square

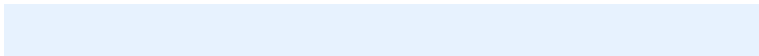
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7986, 87.4188, 85.1299



79.4998, 87.4188, 93.1719



82.3833, 87.4188, 106.0005



86.7845, 87.4188, 97.2253

Rectangle

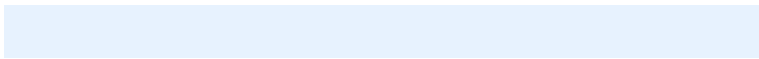
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7986, 87.4188, 85.1299



80.7756, 87.4188, 87.1635



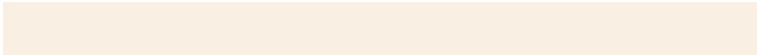
82.3833, 87.4188, 106.0005



85.4460, 87.4188, 103.6825

Sweetspot

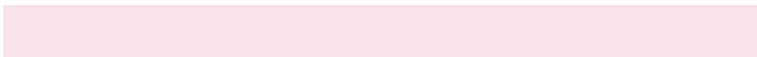
The Sweet Spot groups the original color and five complimentary colors.



83.8010, 87.4226, 85.1318



92.7438, 97.3194, 102.1755



81.8622, 81.2092, 91.6867



19.7215, 20.6792, 21.4946



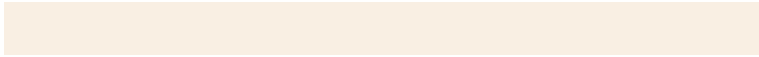
0.0000, 0.0000, 0.0000



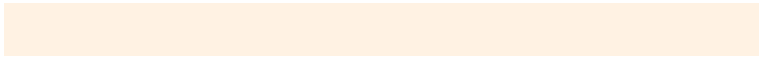
20.3446, 21.4041, 23.3091

Same Dimension

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



83.8010, 87.4226, 85.1318



86.9265, 90.4599, 85.5159



86.5480, 93.3038, 86.1222



18.0295, 18.7950, 18.1399



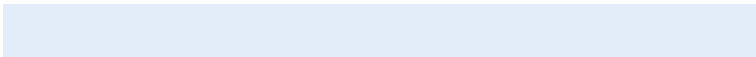
25.7587, 20.4741, 2.5943



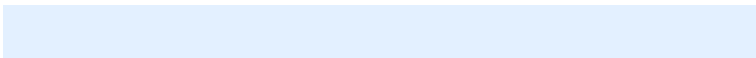
2.4917, 2.1082, 0.2756

Inverse Universe

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



79.0615, 83.7375, 101.6196



80.7830, 85.6831, 106.8885



76.4796, 78.2294, 100.6925



16.9326, 17.9420, 21.9560



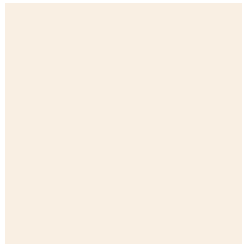
12.4594, 10.2744, 49.3000



1.2584, 1.1604, 4.6008

Previews

White Background



This preview shows how the XYZ color 83.7986, 87.4188, 85.1299 looks on a white background.

Color Contrast Check

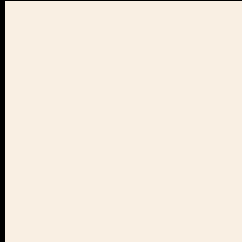
Large Text (above 18pt) WCAG AA × Fail

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 83.7986, 87.4188, 85.1299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

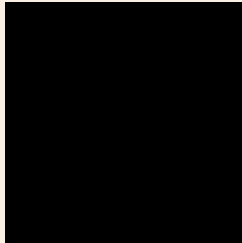
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7986, 87.4188, 85.1299

Background



This preview shows how black text looks on a background with the XYZ color 83.7986, 87.4188, 85.1299.



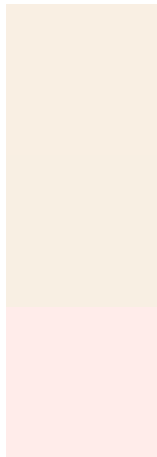
This preview shows how white text looks on a background with the XYZ color 83.7986, 87.4188,

85.1299.

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

83.7986, 87.4188, 85.1299

Protanopia

83.4430, 87.2355, 85.1133

Deuteranopia

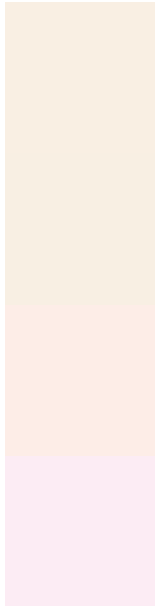
86.0867, 87.1914, 90.1343



Tritanopia

88.1057, 87.4551, 106.0028

Trichromacy



Original Color

83.7986, 87.4188, 85.1299

Protanomaly

83.4430, 87.2355, 85.1133

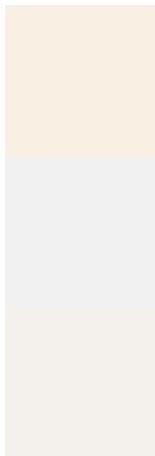
Deuteranomaly

85.2160, 87.2205, 87.9452

Tritanomaly

86.4695, 87.2180, 97.8653

Monochromacy



Original Color

83.7986, 87.4188, 85.1299

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.6086, 87.6094, 91.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7986, 87.4188, 85.1299 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, 239, 227) looks like.

```
.text, #text, p{  
    color:rgb(249, 239, 227)  
}
```

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, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 239, 227) }
```

Border

The CSS property to change the border of an element to XYZ 83.7986, 87.4188, 85.1299 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, 239, 227) }
```


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

```
.border{ border-color:rgb(249, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(249, 239,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7986, 87.4188, 85.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 239, 227) }
```

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

```
.background{ background-color: rgb(249,  
239, 227) }
```

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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