

Converting Colors

XYZ(84.9233, 87.8878, 87.0258)

Have a look what the booklet for
XYZ(84.9233, 87.8878, 87.0258)
contains.

XYZ(84.9331, 87.9554, 87.3635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.9331, 87.9554,
87.3635)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEFE6
RGB	251, 239, 230
RGB Percent	98%, 94%, 90%
CMY	0.0157, 0.0627, 0.0980
CMYK	0.00, 0.05, 0.08, 0.02
HSL	26°, 72%, 94%
HSV	26°, 8%, 98%
XYZ	84.9331, 87.9554, 87.3635
YIQ	241.5620, 10.0410, -0.2550

Conversions

Conversions Part 2

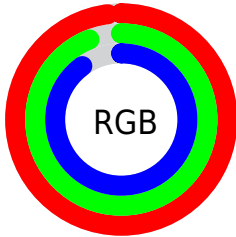
Format	Color
R _Y B	251, 246, 230
Decimal	16510950
CIE Lab	95.14, 2.53, 5.78
CIE LCh	95, 6.310, 66.313
Yxy	87.9554, 0.3263, 0.3380
Android (android.graphics.Color)	4294701030 (0xFFFBFE6)
YUV	241.5620, -5.7001, 8.2771
Hunter-Lab	93.7845, -2.4699, 10.4185

Details

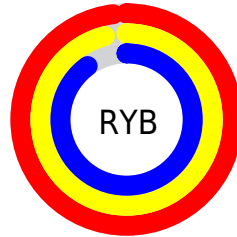
The XYZ color **84.9331, 87.9554, 87.3635** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.7977, 87.2908, 103.8054**, and the grayscale version is **84.0921, 88.4715, 96.3454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9195, 48.4315, 47.4327** is the 20% darker color. If you saturate the color by 10%, you get **77.6273, 78.5838, 68.7721**, and if you desaturate by 10%, it is **93.0679, 98.1971, 108.6565**.

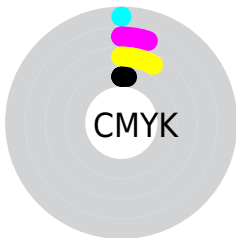
Distribution



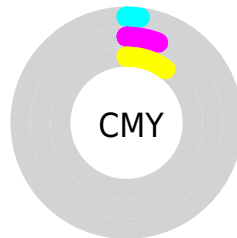
- Red (98%)
- Green (94%)
- Blue (90%)



- Red (98%)
- Yellow (96%)
- Blue (90%)



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.9331, 87.9554, 87.3635 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 84.9331, 87.9554, 87.3635 by changing the saturation by 10% instead.

 84.9331, 87.9554,
87.3635

 84.9331, 87.9554,
87.3635


499.8937,
521.3572, 539.7638

 64.1084, 66.2861,
65.2347

139.1942,
144.4951, 145.5740

 47.0005, 48.5047,
47.1989


173.3613,
180.1342, 182.4929

 33.2440, 34.2268,
32.8374


212.7067,
221.1989, 225.1788

 22.4736, 23.0679,
21.7318

257.5956,
268.0733, 274.0503

 14.3238, 14.6436,
13.4636

308.3933,
321.1420, 329.5261

 8.4294, 8.5697,
7.6141

365.4654,

 4.4250, 4.4616,

380.7892, 392.0245

3.7648

429.1770,
447.3995, 461.9643

■ 1.9453, 1.9350,
1.4972

■ 0.6030, 0.5693,
0.2159

■ 84.9331, 87.9554,
87.3635

■ 84.9331, 87.9554,
87.3635

■ 77.6273, 78.5838,
68.7721

■ 93.0679, 98.1971,
108.6565

■ 71.1305, 70.0534,
52.8467

■ 93.5941, 99.2495,
108.8319

■ 65.4139, 62.3429,
39.4647

■ 60.4442, 55.4256,
28.4915

■ 56.1855, 49.2734,
19.7800

■ 52.5981, 43.8560,
13.1667

■ 49.6381, 39.1408,
8.4659

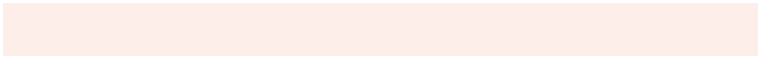
■ 47.2544, 35.0912,
5.4582

■ 45.3791, 31.6635,
3.8377

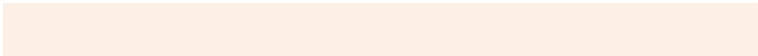
Harmonies

Analogous

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



86.2892, 87.9554, 90.2745



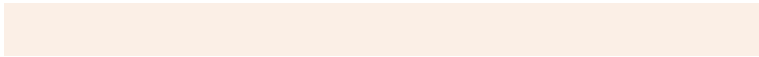
84.9331, 87.9554, 87.3635



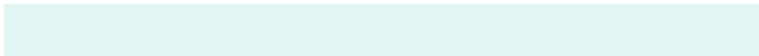
83.2363, 87.9554, 86.6696

Triad

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



84.9331, 87.9554, 87.3635



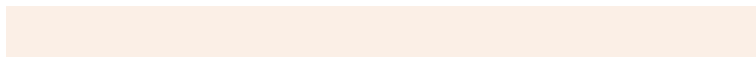
80.3584, 87.9554, 96.8125



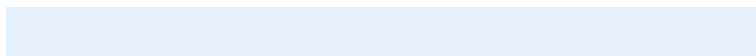
85.5705, 87.9554, 103.5958

Complementary

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



84.9331, 87.9554, 87.3635



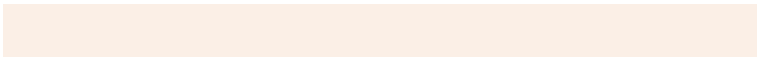
81.7977, 87.2908, 103.8054

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.



83.9627, 87.9554, 105.4828



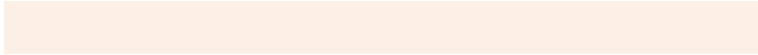
84.9331, 87.9554, 87.3635



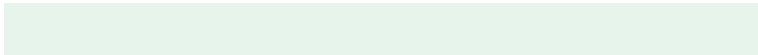
80.9653, 87.9554, 101.4810

Square

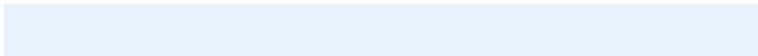
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9331, 87.9554, 87.3635



80.6102, 87.9554, 92.0178



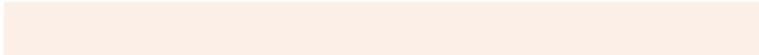
82.2789, 87.9554, 104.6960



86.6607, 87.9554, 99.6197

Rectangle

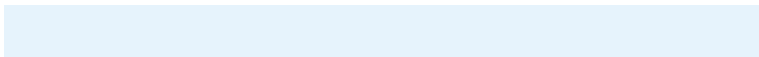
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9331, 87.9554, 87.3635



82.1432, 87.9554, 87.5360



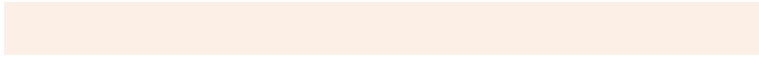
82.2789, 87.9554, 104.6960



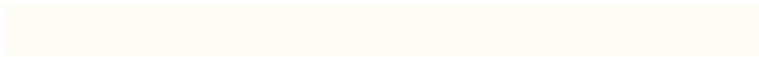
85.0718, 87.9554, 104.5016

Sweetspot

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



84.9355, 87.9593, 87.3654



92.4644, 96.7606, 102.0824



84.1462, 83.5299, 95.8904



19.6462, 20.5284, 21.4695



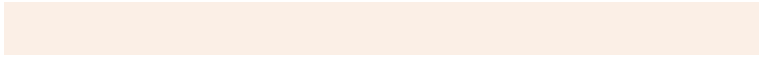
0.0000, 0.0000, 0.0000



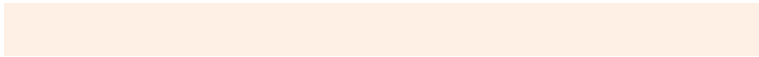
20.3446, 21.4041, 23.3091

Same Dimension

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



84.9355, 87.9593, 87.3654



86.7408, 89.5212, 87.2029



88.0207, 94.1295, 88.3938



17.8566, 18.4490, 18.0823



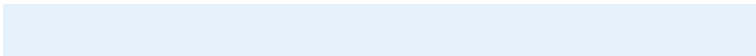
23.8478, 16.6523, 1.9573



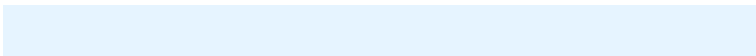
2.3116, 1.7480, 0.2156

Inverse Universe

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



81.7977, 87.2908, 103.8054



82.8934, 88.7014, 107.3599



78.8332, 81.3619, 102.8173



17.1062, 18.2891, 22.0139



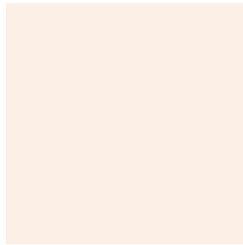
14.4930, 14.3416, 49.9779



1.4475, 1.5387, 4.6639

Previews

White Background



This preview shows how the XYZ color 84.9331, 87.9554, 87.3635 looks on a white background.

Color Contrast Check

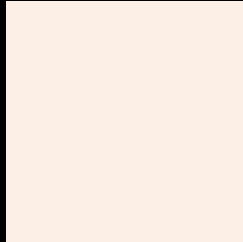
Large Text (above 18pt) WCAG AA × Fail

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 84.9331, 87.9554, 87.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

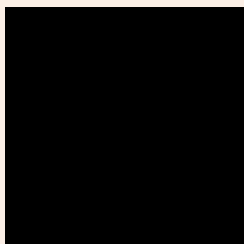
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

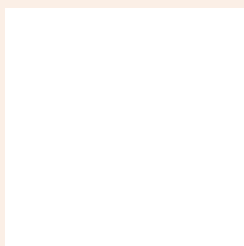
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9331, 87.9554, 87.3635

Background



This preview shows how black text looks on a background with the XYZ color 84.9331, 87.9554, 87.3635.



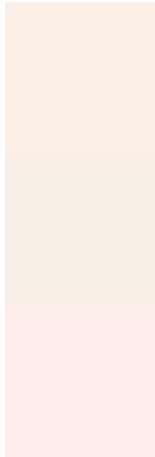
This preview shows how white text looks on a background with the XYZ color 84.9331, 87.9554,

87.3635.

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

84.9331, 87.9554, 87.3635

Protanopia

84.2953, 88.0462, 88.1531

Deuteranopia

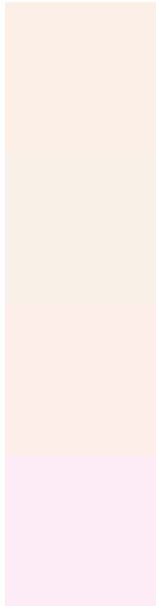
86.6645, 87.8845, 91.7526



Tritanopia

88.4708, 87.6432, 106.0199

Trichromacy



Original Color

84.9331, 87.9554, 87.3635

Protanomaly

84.6508, 88.2294, 88.1697

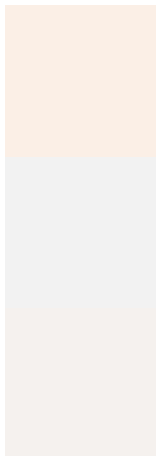
Deuteranomaly

86.2989, 88.1604, 90.3101

Tritanomaly

86.9849, 87.4661, 98.6843

Monochromacy



Original Color

84.9331, 87.9554, 87.3635

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.5441, 88.4961, 93.5144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9331, 87.9554, 87.3635 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(251, 239, 230) looks like.

```
.text, #text, p{  
    color:rgb(251, 239, 230)  
}
```

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(251, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 239, 230) }
```

Border

The CSS property to change the border of an element to XYZ 84.9331, 87.9554, 87.3635 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(251, 239, 230) }
```


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

```
.border{ border-color:rgb(251, 239, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 239, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(251, 239,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9331, 87.9554, 87.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 239, 230) }
```

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

```
.background{ background-color: rgb(251,  
239, 230) }
```

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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