

Converting Colors

XYZ(84.9011, 86.9798, 85.7615)

Have a look what the booklet for XYZ(84.9011, 86.9798, 85.7615) contains.

XYZ(84.7958, 87.0525, 85.7324) 3

- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(84.7958, 87.0525,
85.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEDE4
RGB	253, 237, 228
RGB Percent	99%, 93%, 89%
CMY	0.0078, 0.0706, 0.1059
CMYK	0.00, 0.06, 0.10, 0.01
HSL	22°, 86%, 94%
HSV	22°, 10%, 99%
XYZ	84.7958, 87.0525, 85.7324
YIQ	240.7580, 12.4250, 0.5930

Conversions

Conversions Part 2

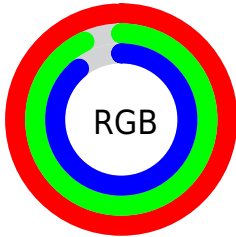
Format	Color
R _Y B	253, 242, 228
Decimal	16641508
CIE Lab	94.76, 3.92, 6.28
CIE LCh	95, 7.407, 58.044
Yxy	87.0525, 0.3292, 0.3380
Android (android.graphics.Color)	4294831588 (0xFFFDDEE4)
YUV	240.7580, -6.2897, 10.7362
Hunter-Lab	93.3019, -1.0518, 10.8315

Details

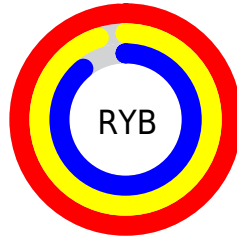
The XYZ color **84.7958, 87.0525, 85.7324** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0749, 88.2855, 105.6444**, and the grayscale version is **83.4620, 87.8085, 95.6234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8316, 47.8006, 46.2933** is the 20% darker color. If you saturate the color by 10%, you get **77.0610, 76.7977, 67.0756**, and if you desaturate by 10%, it is **93.4726, 98.3668, 107.2410**.

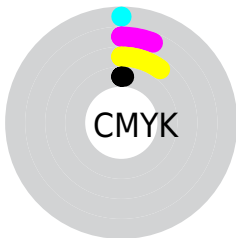
Distribution



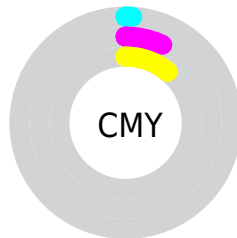
- Red (99%)
- Green (93%)
- Blue (89%)



- Red (99%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (1%)





- Cyan (1%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.7958, 87.0525, 85.7324 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 84.7958, 87.0525, 85.7324 by changing the saturation by 10% instead.


 84.7958, 87.0525,
85.7324

 84.7958, 87.0525,
85.7324


499.4460,
518.3954, 534.2561

 63.9946, 65.5387,
63.8931


139.0033,
143.2373, 143.2792

 46.9080, 47.8980,
46.1185


173.1404,
178.6771, 179.8238

 33.1705, 33.7461,
31.9900

212.4534,
219.5276, 222.1073

 22.4170, 22.6986,
21.0891

257.3078,
266.1733, 270.5481

 14.2819, 14.3711,
12.9973

308.0689,
318.9985, 325.5649

 8.4000, 8.3792,
7.2960

365.1021,

 4.4059, 4.3386,

378.3876, 387.5761

3.5666

428.7727,
444.7251, 457.0003

■ 1.9342, 1.8647,
1.3907

■ 0.5966, 0.5270,
0.1345

■ 84.7958, 87.0525,
85.7324

■ 84.7958, 87.0525,
85.7324

■ 77.0610, 76.7977,
67.0756

■ 93.4726, 98.3668,
107.2410

■ 70.2276, 67.5598,
51.1441

■ 94.3184, 99.6228,
108.8658

■ 64.2625, 59.3097,
37.8103

■ 59.1277, 52.0129,
26.9340

■ 54.7821, 45.6326,
18.3617

■ 51.1808, 40.1292,
11.9224

■ 48.2732, 35.4599,
7.4207

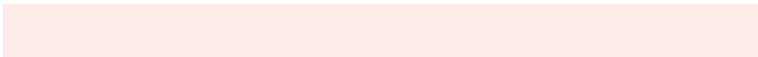
■ 46.0012, 31.5772,
4.6245

■ 44.2786, 28.4205,
3.1606

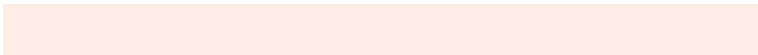
Harmonies

Analogous

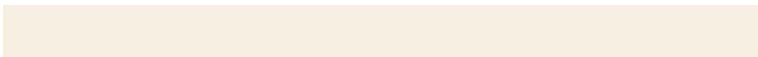
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1864, 87.0525, 89.6942



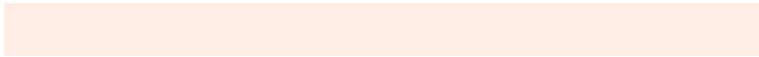
84.7958, 87.0525, 85.7324



82.8723, 87.0525, 84.1846

Triad

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



84.7958, 87.0525, 85.7324



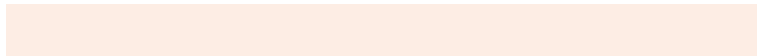
78.9514, 87.0525, 94.4094



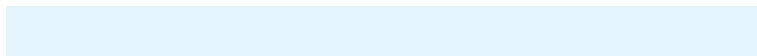
84.5645, 87.0525, 104.8564

Complementary

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



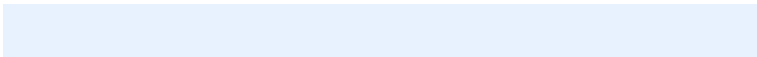
84.7958, 87.0525, 85.7324



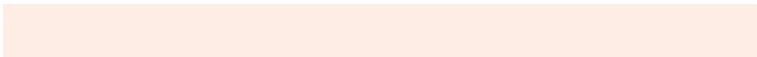
82.0749, 88.2855, 105.6444

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.



82.6094, 87.0525, 106.2407



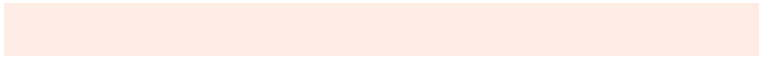
84.7958, 87.0525, 85.7324



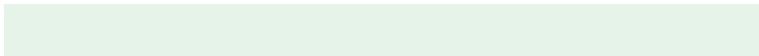
79.3883, 87.0525, 100.0657

Square

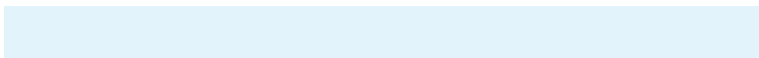
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7958, 87.0525, 85.7324



79.5162, 87.0525, 89.0671



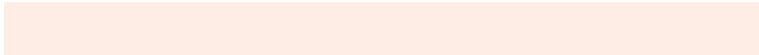
80.7193, 87.0525, 104.4542



86.0514, 87.0525, 100.7434

Rectangle

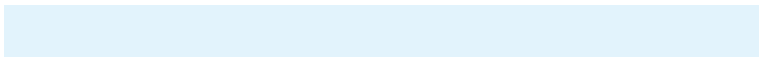
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7958, 87.0525, 85.7324



81.5537, 87.0525, 84.6808



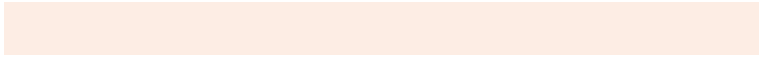
80.7193, 87.0525, 104.4542



83.9393, 87.0525, 105.6634

Sweetspot

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



84.7982, 87.0563, 85.7343



92.3010, 96.4338, 102.0279



84.6196, 82.9175, 97.3329



19.6021, 20.4404, 21.4548



0.0000, 0.0000, 0.0000



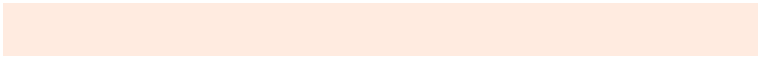
20.3446, 21.4041, 23.3091

Same Dimension

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



84.7982, 87.0563, 85.7343



84.5781, 86.3220, 83.0098



88.4656, 94.3911, 86.9567



18.5448, 19.0579, 18.8455



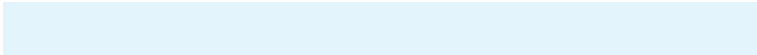
23.6699, 15.3510, 1.7155



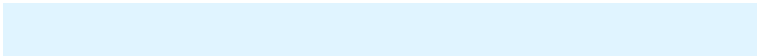
2.4038, 1.6929, 0.2001

Inverse Universe

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



82.0749, 88.2855, 105.6444



81.2587, 87.8196, 107.2758



78.5120, 81.1597, 104.4568



17.9723, 19.3163, 23.0311



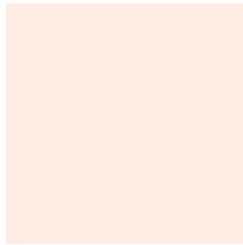
16.4359, 17.7813, 52.0005



1.7039, 1.9386, 5.0976

Previews

White Background



This preview shows how the XYZ color 84.7958, 87.0525, 85.7324 looks on a white background.

Color Contrast Check

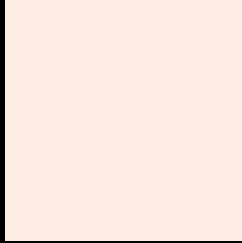
Large Text (above 18pt) WCAG AA × Fail

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 84.7958, 87.0525, 85.7324 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 84.7958, 87.0525, 85.7324

Background



This preview shows how black text looks on a background with the XYZ color 84.7958, 87.0525, 85.7324.



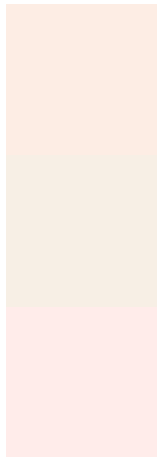
This preview shows how white text looks on a background with the XYZ color 84.7958, 87.0525,

85.7324.

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

84.7958, 87.0525, 85.7324

Protanopia

83.3671, 87.1643, 86.5592

Deuteranopia

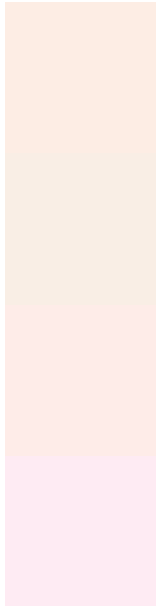
86.0867, 87.1914, 90.1343



Tritanopia

88.0754, 87.0707, 103.4310

Trichromacy



Original Color

84.7958, 87.0525, 85.7324

Protanomaly

83.7843, 86.9460, 86.4951

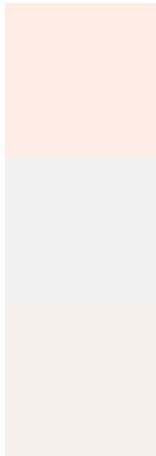
Deuteranomaly

85.4340, 86.8879, 88.6121

Tritanomaly

86.7590, 86.9586, 97.0060

Monochromacy



Original Color

84.7958, 87.0525, 85.7324

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.9566, 87.7888, 91.8768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7958, 87.0525, 85.7324 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(253, 237, 228) looks like.

```
.text, #text, p{  
    color:rgb(253, 237, 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(253, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 237, 228) }
```

Border

The CSS property to change the border of an element to XYZ 84.7958, 87.0525, 85.7324 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(253, 237, 228) }
```


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

```
.border{ border-color:rgb(253, 237, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 237, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(253, 237,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7958, 87.0525, 85.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 237, 228) }
```

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

```
.background{ background-color: rgb(253,  
237, 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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