

Converting Colors

XYZ(86.1515, 88.5793, 76.7058)

Have a look what the booklet for
XYZ(86.1515, 88.5793, 76.7058)
contains.

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Color

**XYZ(84.0803, 87.3154,
76.7120)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEED7
RGB	255, 238, 215
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0666, 0.1569
CMYK	0.00, 0.07, 0.16, 0.00
HSL	35°, 100%, 92%
HSV	35°, 16%, 100%
XYZ	84.0803, 87.3154, 76.7120
YIQ	240.4610, 17.5150, -3.5490

Conversions

Conversions Part 2

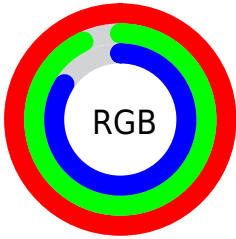
Format	Color
R _Y B	245, 255, 215
Decimal	16772823
CIE Lab	94.87, 2.08, 13.19
CIE LCh	95, 13.358, 81.032
Yxy	87.3154, 0.3389, 0.3519
Android (android.graphics.Color)	4294962903 (0xFFFFEED7)
YUV	240.4610, -12.5523, 12.7507
Hunter-Lab	93.4427, -2.9094, 16.7356

Details

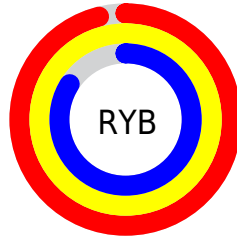
The XYZ color **84.0803, 87.3154, 76.7120** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9302, 79.3780, 105.9800**, and the grayscale version is **83.2732, 87.6099, 95.4072**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3618, 47.9997, 40.0790** is the 20% darker color. If you saturate the color by 10%, you get **77.9961, 79.9884, 59.7587**, and if you desaturate by 10%, it is **90.8692, 95.2338, 96.4221**.

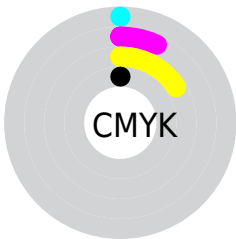
Distribution



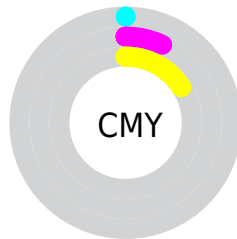
- Red (100%)
- Green (93%)
- Blue (84%)



- Red (96%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (7%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0803, 87.3154, 76.7120 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 84.0803, 87.3154, 76.7120 by changing the saturation by 10% instead.


 84.0803, 87.3154,
76.7120

 84.0803, 87.3154,
76.7120


497.1095,
519.2587, 503.1931

 63.4017, 65.7562,
56.5064


138.0082,
143.6037, 130.5022

 46.4261, 48.0746,
40.2023


171.9881,
179.1016, 164.9238

 32.7882, 33.8859,
27.3814

211.1326,
220.0145, 204.9211

 22.1227, 22.8060,
17.6249

255.8069,
266.7269, 250.9128

 14.0642, 14.4503,
10.5144

306.3763,
319.6231, 303.3173

 8.2473, 8.4345,
5.6313

363.2064,

 4.3068, 4.3742,

379.0876, 362.5531

2.5571

426.6623,
445.5046, 429.0389

■ 1.8771, 1.8850,
0.8702

■ 0.5635, 0.5394,
0.0000

■ 84.0803, 87.3154,
76.7120

■ 84.0803, 87.3154,
76.7120

■ 77.9961, 79.9884,
59.7587

■ 90.8692, 95.2338,
96.4221

■ 72.5836, 73.2257,
45.4312

95.0500, 100.0000,
108.9000

■ 67.8160, 67.0139,
33.5963

■ 63.6621, 61.3349,
24.1068

■ 60.0874, 56.1694,
16.7995

■ 57.0536, 51.4959,
11.4903

■ 54.5162, 47.2905,
7.9642

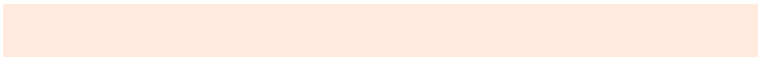
■ 52.4209, 43.5252,
5.9550

■ 51.6210, 42.0219,
5.3903

Harmonies

Analogous

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



87.4447, 87.3154, 80.4021



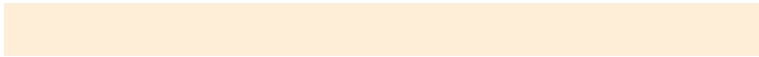
84.0803, 87.3154, 76.7120



80.5181, 87.3154, 77.6554

Triad

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



84.0803, 87.3154, 76.7120



76.6630, 87.3154, 102.4054



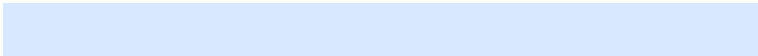
88.5199, 87.3154, 108.1650

Complementary

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



84.0803, 87.3154, 76.7120



74.9302, 79.3780, 105.9800

Split Complementary

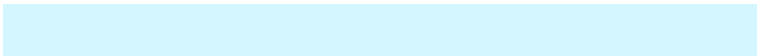
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5134, 87.3154, 114.9146



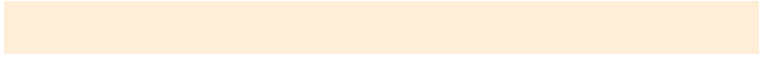
84.0803, 87.3154, 76.7120



78.6905, 87.3154, 111.4250

Square

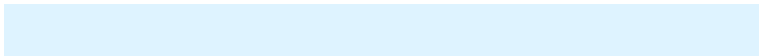
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0803, 87.3154, 76.7120



76.3045, 87.3154, 91.9983



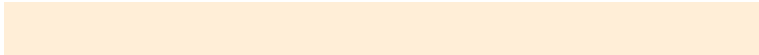
81.9105, 87.3154, 116.1491



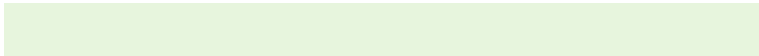
90.0565, 87.3154, 98.2127

Rectangle

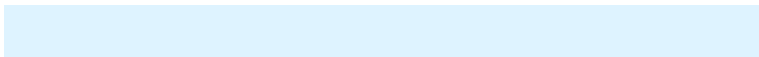
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0803, 87.3154, 76.7120



78.5054, 87.3154, 80.8154



81.9105, 87.3154, 116.1491



87.6436, 87.3154, 110.9130

Sweetspot

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



84.0823, 87.3191, 76.7138



91.3608, 95.7982, 97.8771



80.1539, 75.7070, 86.9815



19.4471, 20.3809, 20.6305



0.0000, 0.0000, 0.0000



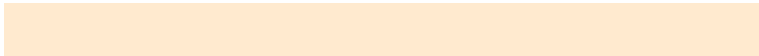
20.3446, 21.4041, 23.3091

Same Dimension

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



84.0823, 87.3191, 76.7138



81.9888, 84.8255, 70.7951



88.2917, 97.1841, 78.3961



18.8769, 19.7220, 18.9561



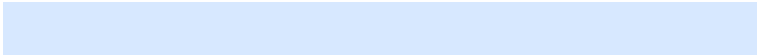
27.1242, 22.2596, 2.8669



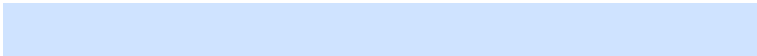
2.7493, 2.3840, 0.3153

Inverse Universe

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



74.9302, 79.3780, 105.9800



71.1625, 75.4325, 105.4170



71.1652, 70.6761, 104.4988



17.6374, 18.6464, 22.9195



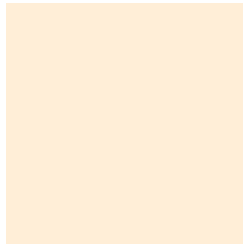
12.3929, 9.6954, 50.6528



1.3122, 1.1551, 4.9671

Previews

White Background



This preview shows how the XYZ color 84.0803, 87.3154, 76.7120 looks on a white background.

Color Contrast Check

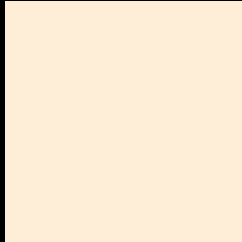
Large Text (above 18pt) WCAG AA × Fail

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 84.0803, 87.3154, 76.7120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

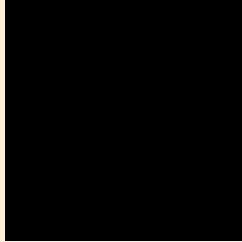
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0803, 87.3154, 76.7120

Background



This preview shows how black text looks on a background with the XYZ color 84.0803, 87.3154, 76.7120.



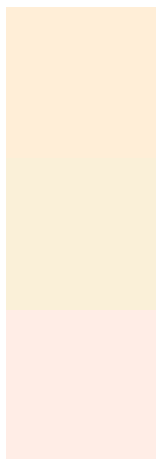
This preview shows how white text looks on a background with the XYZ color 84.0803, 87.3154,

76.7120.

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

84.0803, 87.3154, 76.7120

Protanopia

82.9791, 87.6020, 77.5012

Deuteranopia

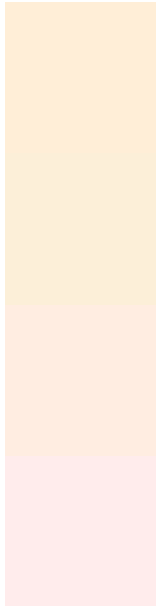
85.8071, 87.5415, 87.2376



Tritanopia

87.8916, 87.4540, 101.0549

Trichromacy



Original Color

84.0803, 87.3154, 76.7120

Protanomaly

83.4061, 87.3863, 77.4370

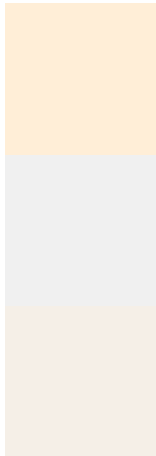
Deuteranomaly

85.1148, 87.2646, 83.5919

Tritanomaly

86.3758, 87.3070, 91.6563

Monochromacy



Original Color

84.0803, 87.3154, 76.7120

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.9465, 86.9150, 88.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0803, 87.3154, 76.7120 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(255, 238, 215) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 215)  
}
```

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(255, 238, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 215) }
```

Border

The CSS property to change the border of an element to XYZ 84.0803, 87.3154, 76.7120 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(255, 238, 215) }
```


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

```
.border{ border-color:rgb(255, 238, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0803, 87.3154, 76.7120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 215) }
```

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

```
.background{ background-color: rgb(255,  
238, 215) }
```

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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