

Converting Colors

XYZ(77.3947, 83.6840, 84.7465)

Have a look what the booklet for
XYZ(77.3947, 83.6840, 84.7465)
contains.

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Color

**XYZ(77.3947, 83.6840,
84.7465)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EEE3
RGB	231, 238, 227
RGB Percent	91%, 93%, 89%
CMY	0.0941, 0.0666, 0.1098
CMYK	0.03, 0.00, 0.05, 0.07
HSL	98°, 24%, 91%
HSV	98°, 5%, 93%
XYZ	77.3947, 83.6840, 84.7465
YIQ	234.6530, -0.6410, -4.9050

Conversions

Conversions Part 2

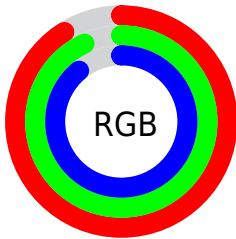
Format	Color
R_{YB}	227, 238, 234
Decimal	15199971
CIE Lab	93.31, -4.27, 4.50
CIE LCh	93, 6.205, 133.522
Yxy	83.6840, 0.3148, 0.3404
Android (android.graphics.Color)	4293390051 (0xFFE7EEE3)
YUV	234.6530, -3.7729, -3.2037
Hunter-Lab	91.4790, -9.0703, 9.1088

Details

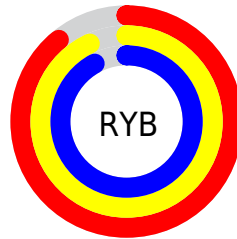
The XYZ color **77.3947, 83.6840, 84.7465** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8364, 78.6058, 92.0158**, and the grayscale version is **78.7319, 82.8321, 90.2042**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8535, 45.5484, 45.6155** is the 20% darker color. If you saturate the color by 10%, you get **69.6551, 80.0502, 68.4057**, and if you desaturate by 10%, it is **86.0164, 87.7249, 103.5025**.

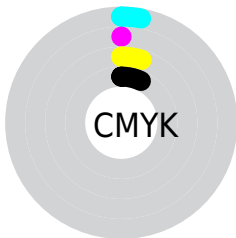
Distribution



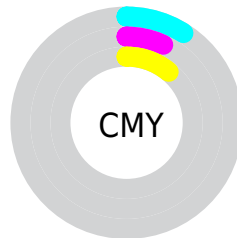
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3947, 83.6840, 84.7465 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 77.3947, 83.6840, 84.7465 by changing the saturation by 10% instead.

77.3947, 83.6840,
84.7465

77.3947, 83.6840,
84.7465

474.9800,
507.2633, 530.9116

57.8779, 62.7546,
63.0830

128.6664,
138.5331, 141.8900

41.9534, 45.6427,
45.4669

161.1520,
173.2215, 178.2070

29.2558, 31.9640,
31.4797

198.6913,
213.2650, 220.2456

19.4196, 21.3340,
20.7029

241.6496,
259.0481, 268.4244

12.0797, 13.3683,
12.7179

290.3922,
310.9550, 323.1618

6.8706, 7.6827,
7.1061

345.2846,

3.4269, 3.8926,

369.3703, 384.8765

3.4491

406.6921,
434.6782, 453.9869

■ 1.3833, 1.6137,
1.3283

■ 0.2443, 0.3668,
0.0848

■ 77.3947, 83.6840,
84.7465

■ 77.3947, 83.6840,
84.7465

■ 69.6551, 80.0502,
68.4057

■ 86.0164, 87.7249,
103.5025

■ 62.7614, 76.7997,
54.3765

■ 89.8661, 89.6322,
107.1720

■ 56.6850, 73.9225,
42.5561

■ 51.3929, 71.4042,
32.8316

■ 46.8500, 69.2291,
25.0804

■ 43.0178, 67.3804,
19.1668

■ 39.8540, 65.8397,
14.9381

■ 37.3108, 64.5863,
12.2172

■ 35.3319, 63.5957,
10.7870

Harmonies

Analogous

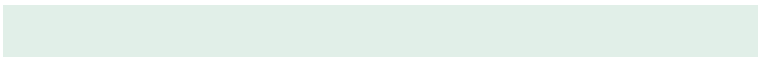
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8066, 83.6840, 82.6446



77.3947, 83.6840, 84.7465



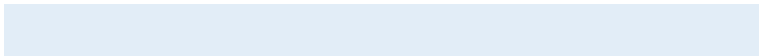
76.5637, 83.6840, 88.5888

Triad

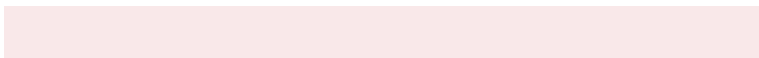
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3947, 83.6840, 84.7465



78.6511, 83.6840, 100.0230



82.6337, 83.6840, 89.0294

Complementary

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



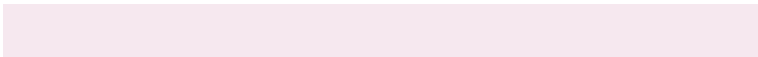
77.3947, 83.6840, 84.7465



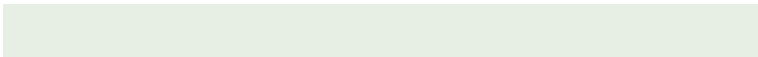
76.8364, 78.6058, 92.0158

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.



82.5907, 83.6840, 93.6942



77.3947, 83.6840, 84.7465



80.2762, 83.6840, 100.1509

Square

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



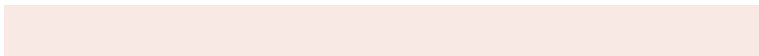
77.3947, 83.6840, 84.7465



77.2822, 83.6840, 97.4567



81.7228, 83.6840, 97.8004



81.8395, 83.6840, 85.0596

Rectangle

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



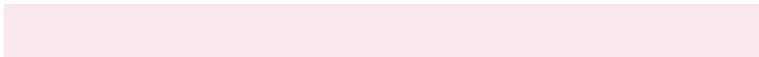
77.3947, 83.6840, 84.7465



76.4437, 83.6840, 91.6717



81.7228, 83.6840, 97.8004



82.7170, 83.6840, 90.5658

Sweetspot

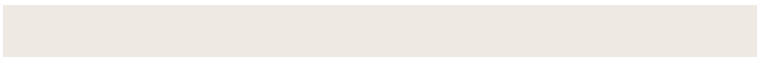
The Sweet Spot groups the original color and five complimentary colors.



77.3970, 83.6876, 84.7483



94.0475, 99.5303, 106.7242



78.5416, 82.5532, 84.4690



20.1406, 21.3085, 22.8663



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

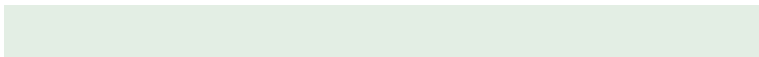
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3970, 83.6876, 84.7483



89.1912, 97.2530, 96.2754



76.3240, 83.1109, 85.7598



16.5991, 18.1665, 17.8038



19.3546, 35.2992, 5.7933



1.7156, 2.9909, 0.4869

Inverse Universe

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



76.8364, 78.6058, 92.0158



88.3452, 89.5840, 107.2429



77.9499, 79.2046, 90.9472



16.4252, 16.5902, 20.0581



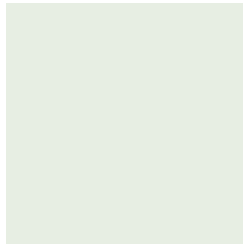
15.9270, 7.2161, 45.6813



1.4336, 0.6563, 3.8053

Previews

White Background



This preview shows how the XYZ color 77.3947, 83.6840, 84.7465 looks on a white background.

Color Contrast Check

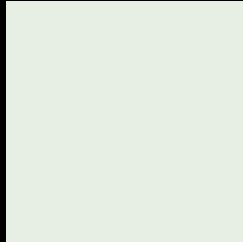
Large Text (above 18pt) WCAG AA × Fail

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 77.3947, 83.6840, 84.7465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

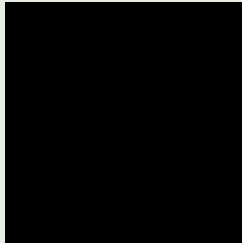
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

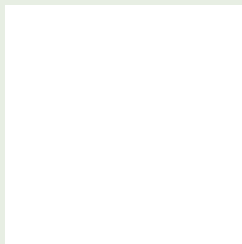
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3947, 83.6840, 84.7465

Background



This preview shows how black text looks on a background with the XYZ color 77.3947, 83.6840, 84.7465.



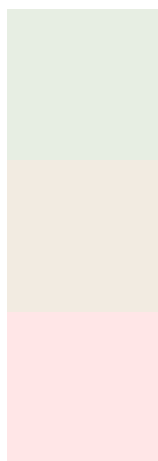
This preview shows how white text looks on a background with the XYZ color 77.3947, 83.6840, 84.7465.

84.7465.

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

77.3947, 83.6840, 84.7465

Protanopia

79.9169, 83.7301, 83.1836

Deuteranopia

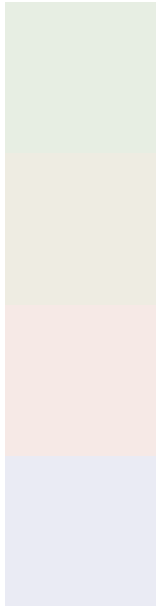
83.9606, 83.6232, 87.3170



Tritanopia

81.4134, 83.5997, 104.7739

Trichromacy



Original Color

77.3947, 83.6840, 84.7465

Protanomaly

78.9828, 83.6590, 83.9365

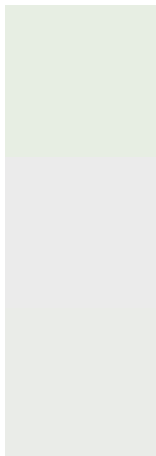
Deuteranomaly

81.4279, 83.5838, 86.7045

Tritanomaly

79.9691, 83.4407, 97.4788

Monochromacy



Original Color

77.3947, 83.6840, 84.7465

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.4926, 83.3095, 88.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3947, 83.6840, 84.7465 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(231, 238, 227) looks like.

```
.text, #text, p{  
    color:rgb(231, 238, 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(231, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 238, 227) }
```

Border

The CSS property to change the border of an element to XYZ 77.3947, 83.6840, 84.7465 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(231, 238, 227) }
```


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

```
.border{ border-color:rgb(231, 238, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 238, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 238, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 238, 227); box-shadow:4px 4px 4px 4px rgb(231, 238, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3947, 83.6840, 84.7465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 238, 227) }
```

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

```
.background{ background-color: rgb(231,  
238, 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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