

Converting Colors

XYZ(87.1866, 87.6163, 63.5099)

Have a look what the booklet for
XYZ(87.1866, 87.6163, 63.5099)
contains.

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Color

**XYZ(80.4004, 84.0007,
63.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAC2
RGB	255, 234, 194
RGB Percent	100%, 92%, 76%
CMY	0.0000, 0.0823, 0.2392
CMYK	0.00, 0.08, 0.24, 0.00
HSL	39°, 100%, 88%
HSV	39°, 24%, 100%
XYZ	80.4004, 84.0007, 63.0151
YIQ	235.7190, 25.3560, -7.9880

Conversions

Conversions Part 2

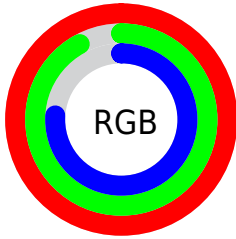
Format	Color
R _Y B	226, 255, 194
Decimal	16771778
CIE Lab	93.45, 1.10, 22.04
CIE LCh	93, 22.065, 87.140
Yxy	84.0007, 0.3535, 0.3694
Android (android.graphics.Color)	4294961858 (0xFFFEAC2)
YUV	235.7190, -20.5675, 16.9094
Hunter-Lab	91.6519, -3.8041, 23.3916

Details

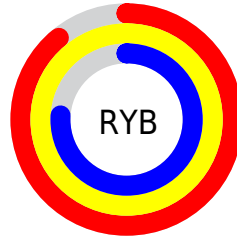
The XYZ color **80.4004, 84.0007, 63.0151** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.5979, 67.2881, 104.1910**, and the grayscale version is **79.6544, 83.8026, 91.2611**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **43.9427, 45.7400, 31.3236** is the 20% darker color. If you saturate the color by 10%, you get **75.3422, 78.0809, 48.3916**, and if you desaturate by 10%, it is **86.0780, 90.3721, 80.2715**.

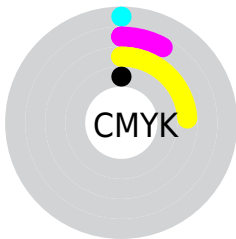
Distribution



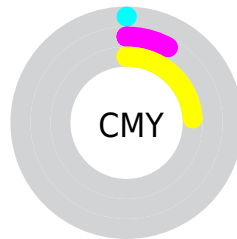
- Red (100%)
- Green (92%)
- Blue (76%)



- Red (89%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4004, 84.0007, 63.0151 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 80.4004, 84.0007, 63.0151 by changing the saturation by 10% instead.


 80.4004, 84.0007,
63.0151

 80.4004, 84.0007,
63.0151


484.9972,
508.3156, 453.7337

 60.3575, 63.0160,
45.4123


132.8761,
138.9762, 110.7771

 43.9574, 45.8542,
31.4370


166.0396,
173.7357, 141.7734

 30.8348, 32.1308,
20.6706


204.3073,
213.8557, 178.0713

 20.6243, 21.4614,
12.6946

248.0447,
259.7205, 220.0893

 12.9605, 13.4617,
7.0903

297.6170,
311.7145, 268.2461

 7.4782, 7.7472,
3.4393

353.3896,

 3.8119, 3.9336,

370.2220, 322.9600

1.3231

415.7279,
435.6276, 384.6497

■ 1.5963, 1.6365,
0.0806

■ 0.3900, 0.3820,
0.0000

■ 80.4004, 84.0007,
63.0151

■ 80.4004, 84.0007,
63.0151

■ 75.3422, 78.0809,
48.3916

■ 86.0780, 90.3721,
80.2715

■ 70.8704, 72.5879,
36.2629

■ 92.3938, 97.1968,
100.2789

■ 66.9578, 67.5109,
26.4866

95.0500, 100.0000,
108.9000

■ 63.5726, 62.8342,
18.9032

■ 60.6788, 58.5404,
13.3335

■ 58.2352, 54.6099,
9.5694

■ 56.1916, 51.0194,
7.3570

■ 55.1022, 48.9845,
6.5507

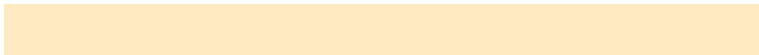
Harmonies

Analogous

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



86.0742, 84.0007, 67.0725



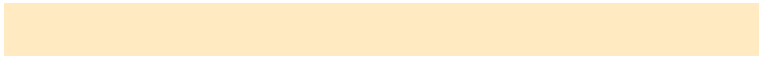
80.4004, 84.0007, 63.0151



74.8381, 84.0007, 65.7791

Triad

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



80.4004, 84.0007, 63.0151



70.2801, 84.0007, 106.8926



89.6250, 84.0007, 109.9986

Complementary

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



80.4004, 84.0007, 63.0151



64.5979, 67.2881, 104.1910

Split Complementary

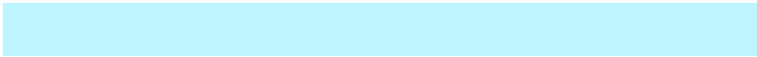
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0603, 84.0007, 123.0876



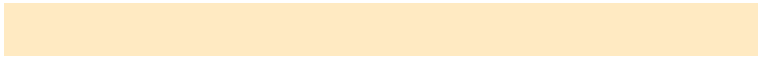
80.4004, 84.0007, 63.0151



73.9146, 84.0007, 121.1467

Square

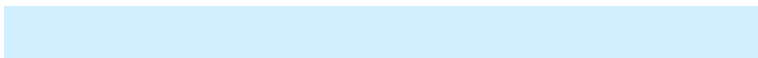
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4004, 84.0007, 63.0151



69.1659, 84.0007, 89.8710



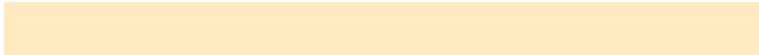
79.2825, 84.0007, 127.3943



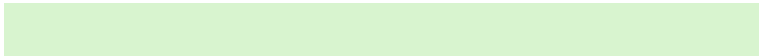
91.5598, 84.0007, 93.0726

Rectangle

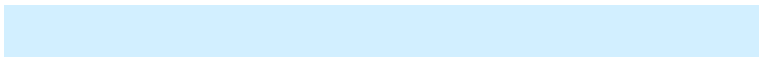
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4004, 84.0007, 63.0151



71.9066, 84.0007, 71.3285



79.2825, 84.0007, 127.3943



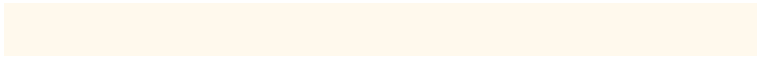
88.3367, 84.0007, 115.0680

Sweetspot

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



80.4025, 84.0044, 63.0169



90.3794, 95.0459, 93.8179



72.8431, 64.7688, 73.1892



19.2619, 20.2546, 19.8166



0.0000, 0.0000, 0.0000



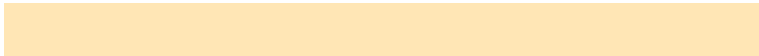
20.3446, 21.4041, 23.3091

Same Dimension

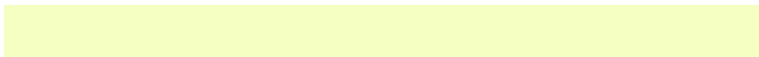
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4025, 84.0044, 63.0169



77.7570, 80.9411, 55.2679



83.4514, 94.9809, 64.9748



19.0040, 19.9763, 18.9985



28.9367, 25.8846, 3.4711



2.9193, 2.7241, 0.3719

Inverse Universe

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



64.5979, 67.2881, 104.1910



59.3099, 61.4341, 103.3397



62.0121, 58.5222, 102.6353



17.5141, 18.3998, 22.8784



11.3693, 7.6483, 50.3116



1.2041, 0.9389, 4.9310

Previews

White Background



This preview shows how the XYZ color 80.4004, 84.0007, 63.0151 looks on a white background.

Color Contrast Check

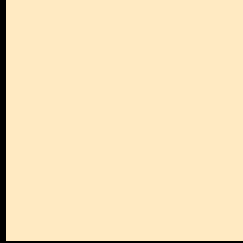
Large Text (above 18pt) WCAG AA × Fail

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 80.4004, 84.0007, 63.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

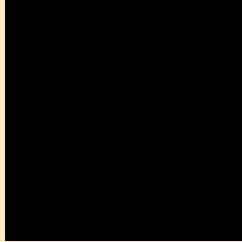
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4004, 84.0007, 63.0151

Background



This preview shows how black text looks on a background with the XYZ color 80.4004, 84.0007, 63.0151.



This preview shows how white text looks on a background with the XYZ color 80.4004, 84.0007,

63.0151.

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

80.4004, 84.0007, 63.0151

Protanopia

79.2701, 84.2550, 63.7146

Deuteranopia

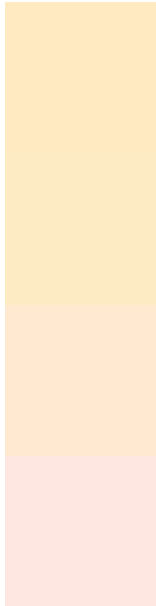
82.7515, 84.0352, 78.1886



Tritanopia

85.4370, 83.7697, 96.4602

Trichromacy



Original Color

80.4004, 84.0007, 63.0151

Protanomaly

79.7035, 84.0522, 63.6526

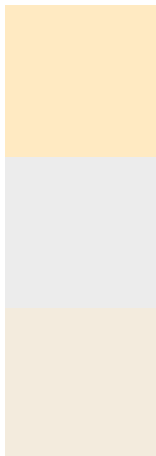
Deuteranomaly

81.8875, 84.1413, 72.2466

Tritanomaly

83.4065, 83.8481, 83.0225

Monochromacy



Original Color

80.4004, 84.0007, 63.0151

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7216, 83.6918, 80.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4004, 84.0007, 63.0151 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, 234, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 194)  
}
```

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, 234, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 194) }
```

Border

The CSS property to change the border of an element to XYZ 80.4004, 84.0007, 63.0151 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, 234, 194) }
```


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

```
.border{ border-color:rgb(255, 234, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4004, 84.0007, 63.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 194) }
```

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

```
.background{ background-color: rgb(255,  
234, 194) }
```

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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