

# Converting Colors

XYZ(80.4456, 83.9979, 63.3173)

Have a look what the booklet for  
XYZ(80.4456, 83.9979, 63.3173)  
contains.

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# Color

**XYZ(80.5131, 84.0458,  
63.6087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAC3
RGB	255, 234, 195
RGB Percent	100%, 92%, 76%
CMY	0.0000, 0.0823, 0.2353
CMYK	0.00, 0.08, 0.24, 0.00
HSL	39°, 100%, 88%
HSV	39°, 24%, 100%
XYZ	80.5131, 84.0458, 63.6087
YIQ	235.8330, 25.0350, -7.6770

# Conversions

## Conversions Part 2

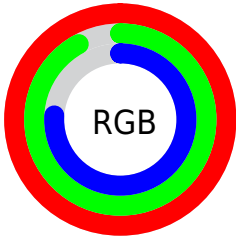
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 255, 195
Decimal	16771779
CIE Lab	93.47, 1.24, 21.55
CIE LCh	93, 21.586, 86.714
Yxy	84.0458, 0.3529, 0.3684
Android (android.graphics.Color)	4294961859 (0xFFFEAC3)
YUV	235.8330, -20.1307, 16.8095
Hunter-Lab	91.6765, -3.6697, 23.0359

# Details

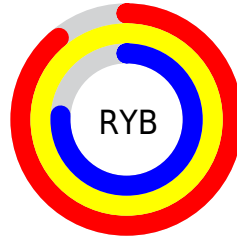
The XYZ color **80.5131, 84.0458, 63.6087** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.1109, 67.9317, 104.2882**, and the grayscale version is **79.7386, 83.8912, 91.3575**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **44.0168, 45.7696, 31.7138** is the 20% darker color. If you saturate the color by 10%, you get **75.3966, 78.0393, 48.8729**, and if you desaturate by 10%, it is **86.2542, 90.5126, 80.9838**.

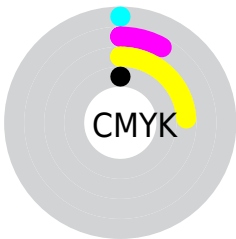
# Distribution



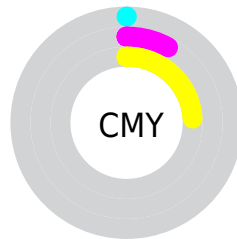
- Red (100%)
- Green (92%)
- Blue (76%)



- 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 80.5131, 84.0458, 63.6087 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 80.5131, 84.0458, 63.6087 by changing the saturation by 10% instead.




 80.5131, 84.0458,  
63.6087

 80.5131, 84.0458,  
63.6087


485.3706,  
508.4653, 455.9438

 60.4506, 63.0533,  
45.8897


133.0336,  
139.0392, 111.6412

 44.0328, 45.8843,  
31.8107


166.2223,  
173.8089, 142.7918

 30.8943, 32.1545,  
20.9533


204.5172,  
213.9398, 179.2567

 20.6698, 21.4796,  
12.8990

248.2835,  
259.8162, 221.4544

 12.9939, 13.4750,  
7.2291

297.8866,  
311.8225, 269.8034

 7.5013, 7.7564,  
3.5252

353.6920,

 3.8267, 3.9395,

370.3433, 324.7222

1.3687

416.0648,  
435.7627, 386.6296

■ 1.6045, 1.6398,  
0.1171

■ 0.3954, 0.3842,  
0.0000

■ 80.5131, 84.0458,  
63.6087

■ 80.5131, 84.0458,  
63.6087

■ 75.3966, 78.0393,  
48.8729

■ 86.2542, 90.5126,  
80.9838

■ 70.8714, 72.4682,  
36.6387

■ 92.6386, 97.4415,  
101.1158

■ 66.9107, 67.3215,  
26.7641

95.0500, 100.0000,  
108.9000

■ 63.4823, 62.5833,  
19.0903

■ 60.5507, 58.2362,  
13.4388

■ 58.0745, 54.2603,  
9.6031

■ 56.0041, 50.6325,  
7.3314

■ 54.8353, 48.4506,  
6.4618

# Harmonies

## Analogous

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



86.0521, 84.0458, 67.6946



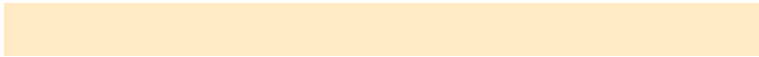
80.5131, 84.0458, 63.6087



75.0554, 84.0458, 66.2331

# Triad

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



80.5131, 84.0458, 63.6087



70.4849, 84.0458, 106.3638



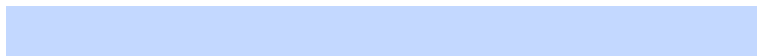
89.4024, 84.0458, 109.8473

# Complementary

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



80.5131, 84.0458, 63.6087



65.1109, 67.9317, 104.2882

# 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.



84.9133, 84.0458, 122.5203



80.5131, 84.0458, 63.6087



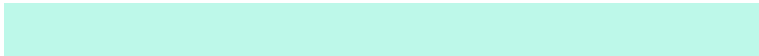
74.0161, 84.0458, 120.3470

# Square

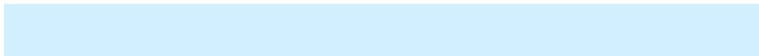
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5131, 84.0458, 63.6087



69.4303, 84.0458, 89.7236



79.2562, 84.0458, 126.5724

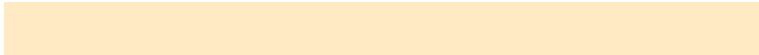


91.3355, 84.0458, 93.3232

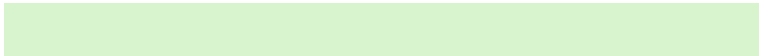


# Rectangle

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



80.5131, 84.0458, 63.6087



72.1654, 84.0458, 71.6282



79.2562, 84.0458, 126.5724



88.1321, 84.0458, 114.7711

# Sweetspot

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



80.5152, 84.0495, 63.6105



90.3478, 94.9827, 93.8074



73.1504, 65.2490, 73.7055



19.2546, 20.2399, 19.8141



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

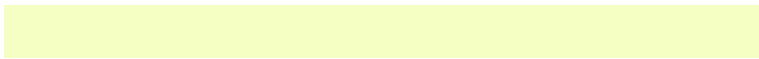
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5152, 84.0495, 63.6105



78.1514, 81.3070, 56.7027



83.6167, 95.0531, 65.5709



18.9950, 19.9581, 18.9955



28.7980, 25.6072, 3.4249



2.9065, 2.6984, 0.3676



# Inverse Universe

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



65.1109, 67.9317, 104.2882



60.4198, 62.7576, 103.5367



62.4678, 59.0887, 102.7206



17.5228, 18.4173, 22.8813



11.4339, 7.7773, 50.3331



1.2111, 0.9529, 4.9334



# Previews

## White Background



This preview shows how the XYZ color 80.5131, 84.0458, 63.6087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

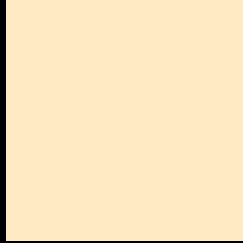
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.5131, 84.0458, 63.6087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

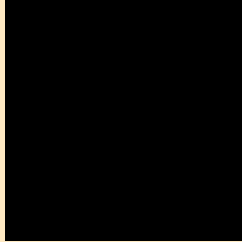
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.5131, 84.0458, 63.6087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.5131, 84.0458, 63.6087.



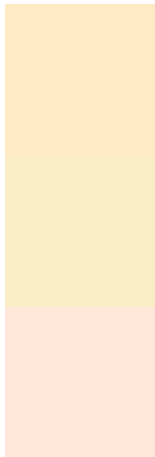
This preview shows how white text looks on a background with the XYZ color 80.5131, 84.0458,



# 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

80.5131, 84.0458, 63.6087

### Protanopia

79.3836, 84.3004, 64.3122

### Deuteranopia

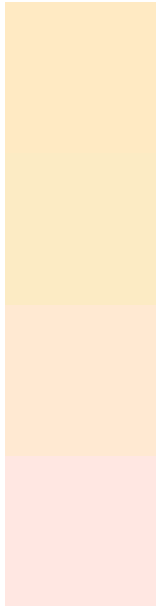
82.7515, 84.0352, 78.1886



## Tritanopia

85.7145, 84.3247, 96.5527

# Trichromacy



## Original Color

80.5131, 84.0458, 63.6087

## Protanomaly

79.8170, 84.0976, 64.2502

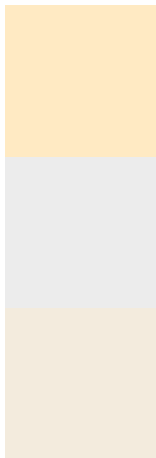
## Deuteranomaly

82.0118, 84.1910, 72.9008

## Tritanomaly

83.5434, 83.9028, 83.7432

# Monochromacy



## Original Color

80.5131, 84.0458, 63.6087

## 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 80.5131, 84.0458, 63.6087 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 80.5131, 84.0458, 63.6087 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, 195) }
```



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

```
.border{ border-color:rgb(255, 234, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.5131, 84.0458, 63.6087 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, 195) }
```

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

```
.background{ background-color: rgb(255,  
234, 195) }
```

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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