

# Converting Colors

XYZ(78.9387, 83.2036, 64.9760)

Have a look what the booklet for  
XYZ(78.9387, 83.2036, 64.9760)  
contains.

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# **Color**

**XYZ(78.9252, 83.2008,  
64.7229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEAC5
RGB	250, 234, 197
RGB Percent	98%, 92%, 77%
CMY	0.0196, 0.0823, 0.2274
CMYK	0.00, 0.06, 0.21, 0.02
HSL	42°, 84%, 88%
HSV	42°, 21%, 98%
XYZ	78.9252, 83.2008, 64.7229
YIQ	234.5660, 21.4130, -8.1150

# Conversions

## Conversions Part 2

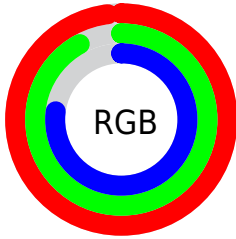
Format	Color
R <sub>Y</sub> B	220, 250, 197
Decimal	164444101
CIE Lab	93.10, -0.31, 19.94
CIE LCh	93, 19.947, 90.881
Yxy	83.2008, 0.3479, 0.3668
Android (android.graphics.Color)	4294634181 (0xFFFAEAC5)
YUV	234.5660, -18.5200, 13.5356
Hunter-Lab	91.2145, -5.1745, 21.7798

# Details

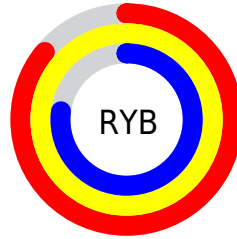
The XYZ color **78.9252, 83.2008, 64.7229** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.0753, 66.3595, 99.8745**, and the grayscale version is **78.7624, 82.8642, 90.2391**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **42.8706, 45.1614, 32.4441** is the 20% darker color. If you saturate the color by 10%, you get **74.1931, 77.9467, 50.1655**, and if you desaturate by 10%, it is **84.2283, 88.8354, 81.8163**.

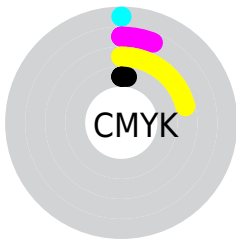
# Distribution



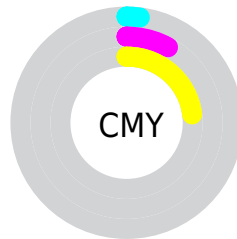
- Red (98%)
- Green (92%)
- Blue (77%)



- Red (86%)
- Yellow (98%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (21%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9252, 83.2008, 64.7229 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 78.9252, 83.2008, 64.7229 by changing the saturation by 10% instead.



78.9252, 83.2008,  
64.7229

78.9252, 83.2008,  
64.7229

480.0951,  
505.6555, 460.0744

59.1397, 62.3558,  
46.7865

130.8120,  
137.8567, 113.2608

42.9724, 45.3203,  
32.5138

163.6441,  
172.4363, 144.6995

30.0579, 31.7098,  
21.4862

201.5558,  
212.3630, 181.4759

20.0308, 21.1399,  
13.2851

244.9123,  
258.0211, 224.0087

12.5258, 13.2263,  
7.4922

294.0792,  
309.7950, 272.7164

7.1776, 7.5846,  
3.6887

349.4217,

3.6207, 3.8303,

368.0691, 328.0176

1.4562

411.3053,  
433.2278, 390.3308

■ 1.4899, 1.5791,  
0.1849

■ 0.3189, 0.3434,  
0.0000

■ 78.9252, 83.2008,  
64.7229

■ 78.9252, 83.2008,  
64.7229

■ 74.1931, 77.9467,  
50.1655

■ 84.2283, 88.8354,  
81.8163

■ 70.0009, 73.0502,  
38.0152

■ 90.1187, 94.8502,  
101.5555

■ 66.3243, 68.5027,  
28.1396

■ 93.2346, 99.0641,  
108.8150

■ 63.1341, 64.2907,  
20.3915

■ 60.3979, 60.3993,  
14.6061

■ 58.0788, 56.8116,  
10.5941

■ 56.1325, 53.5081,  
8.1287

■ 54.6676, 50.8102,  
6.9261

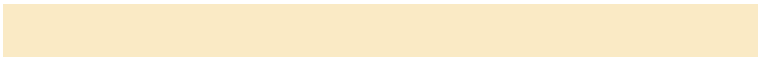
# Harmonies

## Analogous

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



84.0785, 83.2008, 67.6749



78.9252, 83.2008, 64.7229



74.0266, 83.2008, 68.0405

# Triad

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



78.9252, 83.2008, 64.7229



70.7541, 83.2008, 106.2030



88.2007, 83.2008, 105.3518

# Complementary

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



78.9252, 83.2008, 64.7229



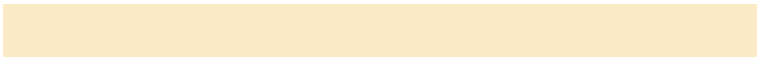
64.0753, 66.3595, 99.8745

# Split Complementary

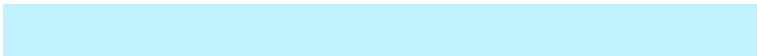
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3580, 83.2008, 117.6445



78.9252, 83.2008, 64.7229



74.2834, 83.2008, 118.1729

# Square

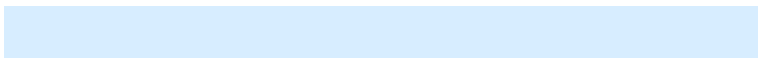
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9252, 83.2008, 64.7229



69.4389, 83.2008, 91.0355



79.2347, 83.2008, 122.5708



89.5743, 83.2008, 90.1490

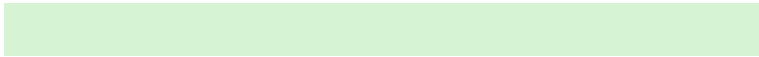


# Rectangle

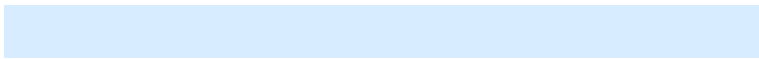
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9252, 83.2008, 64.7229



71.5268, 83.2008, 73.5979



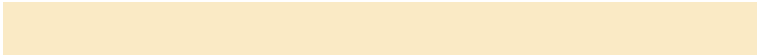
79.2347, 83.2008, 122.5708



87.1468, 83.2008, 110.0182

# Sweetspot

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



78.9274, 83.2045, 64.7247



91.2283, 96.1427, 95.9538



71.5014, 65.1016, 72.2717



19.4405, 20.4905, 20.2497



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

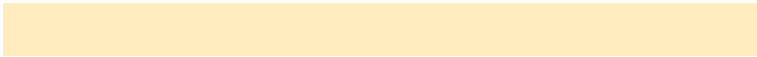


# Same Dimension

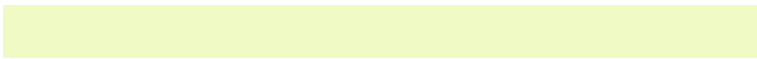
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9274, 83.2045, 64.7247



80.5981, 84.8859, 61.5712



80.2958, 90.9780, 66.1530



18.2593, 19.2545, 18.2165



29.1296, 27.2158, 3.7179



2.7909, 2.7067, 0.3753



# Inverse Universe

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



64.0753, 66.3595, 99.8745



62.7663, 64.6639, 103.7810



62.8756, 60.0604, 98.7219



16.7101, 17.4970, 21.8818



10.6133, 6.5822, 48.6847

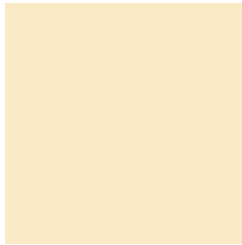


1.0717, 0.7871, 4.5386



# Previews

## White Background



This preview shows how the XYZ color 78.9252, 83.2008, 64.7229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

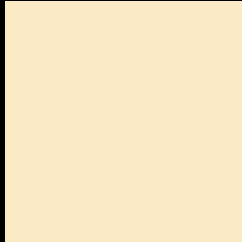
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9252, 83.2008, 64.7229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

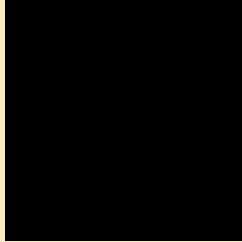
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.9252, 83.2008, 64.7229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9252, 83.2008, 64.7229.



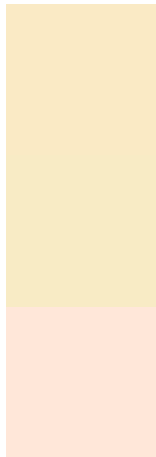
This preview shows how white text looks on a background with the XYZ color 78.9252, 83.2008,



# 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

78.9252, 83.2008, 64.7229

### Protanopia

78.4978, 83.4043, 64.7847

### Deuteranopia

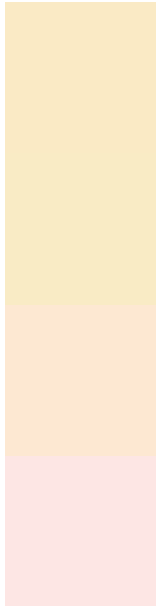
82.3403, 83.4216, 77.4078



## Tritanopia

85.4648, 83.3394, 97.9678

# Trichromacy



## Original Color

78.9252, 83.2008, 64.7229

## Protanomaly

78.8533, 83.5876, 64.8013

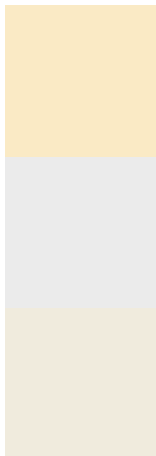
## Deuteranomaly

80.9975, 83.2490, 72.7724

## Tritanomaly

82.8084, 83.0777, 85.0699

# Monochromacy



## Original Color

78.9252, 83.2008, 64.7229

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.6947, 83.1624, 80.3109

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9252, 83.2008, 64.7229 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(250, 234, 197)` looks like.

```
.text, #text, p{  
    color:rgb(250, 234, 197)  
}
```

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(250, 234, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 234, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9252, 83.2008, 64.7229 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(250, 234, 197) }
```



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

```
.border{ border-color:rgb(250, 234, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 234, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 234, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 234, 197);  
box-shadow:4px 4px 4px 4px rgb(250, 234,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9252, 83.2008, 64.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 234, 197) }
```

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

```
.background{ background-color: rgb(250,  
234, 197) }
```

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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