

# Converting Colors

XYZ(112.9485, 100.0000,  
77.7818)

Have a look what the booklet for  
XYZ(112.9485, 100.0000, 77.7818)  
contains.

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# Color

**XYZ(82.6447, 84.4441,  
76.2335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9D7
RGB	255, 233, 215
RGB Percent	100%, 91%, 84%
CMY	0.0000, 0.0863, 0.1569
CMYK	0.00, 0.09, 0.16, 0.00
HSL	27°, 100%, 92%
HSV	27°, 16%, 100%
XYZ	82.6447, 84.4441, 76.2335
YIQ	237.5260, 18.8900, -0.9340

# Conversions

## Conversions Part 2

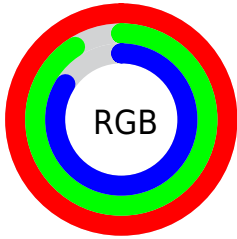
Format	Color
<a href="#">RYB</a>	<a href="#">255, 248, 215</a>
Decimal	<a href="#">16771543</a>
CIELab	<a href="#">93.64, 4.63, 11.45</a>
CIElCh	<a href="#">94, 12.349, 67.970</a>
Yxy	<a href="#">84.4441, 0.3397, 0.3470</a>
Android (android.graphics.Color)	<a href="#">4294961623</a> ( <a href="#">0xFFFFE9D7</a> )
YUV	<a href="#">237.5260, -11.1053, 15.3247</a>
Hunter-Lab	<a href="#">91.8935, -0.2790, 15.1393</a>

# Details

The XYZ color **82.6447, 84.4441, 76.2335** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3578, 82.2332, 106.4559**, and the grayscale version is **80.9762, 85.1933, 92.7755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3560, 45.9881, 39.7438** is the 20% darker color. If you saturate the color by 10%, you get **75.8073, 75.6108, 59.0291**, and if you desaturate by 10%, it is **90.3121, 94.1197, 96.2364**.

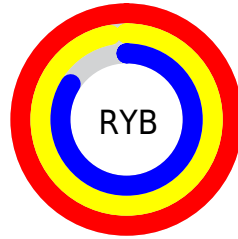
# Distribution



Red (100%)

Green (91%)

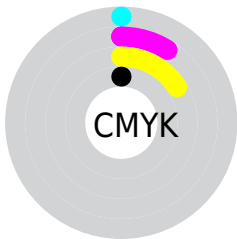
Blue (84%)



Red (100%)

Yellow (97%)

Blue (84%)

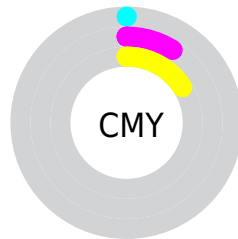


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6447, 84.4441, 76.2335 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 82.6447, 84.4441, 76.2335 by changing the saturation by 10% instead.




 82.6447, 84.4441,  
76.2335

 82.6447, 84.4441,  
76.2335


492.4035,  
509.7868, 501.5147

 62.2130, 63.3822,  
56.1162


136.0088,  
139.5962, 129.8200

 45.4611, 46.1504,  
39.8915


169.6720,  
174.4552, 164.1263

 32.0236, 32.3646,  
27.1408

208.4763,  
214.6820, 203.9994

 21.5351, 21.6401,  
17.4456

252.7872,  
260.6610, 249.8577

 13.6304, 13.5927,  
10.3874

302.9701,  
312.7766, 302.1199

 7.9440, 7.8379,  
5.5476

359.3901,

 4.1107, 3.9914,

371.4131, 361.2044

2.5077

422.4128,  
436.9551, 427.5298

■ 1.7649, 1.6688,  
0.8442

■ 0.4964, 0.4033,  
0.0000

■ 82.6447, 84.4441,  
76.2335

■ 82.6447, 84.4441,  
76.2335

■ 75.8073, 75.6108,  
59.0291

■ 90.3121, 94.1197,  
96.2364

■ 69.7634, 67.5852,  
44.4911

95.0500, 100.0000,  
108.9000

■ 64.4818, 60.3454,  
32.4849

■ 59.9269, 53.8646,  
22.8617

■ 56.0599, 48.1143,  
15.4570

■ 52.8373, 43.0634,  
10.0849

■ 50.2098, 38.6777,  
6.5287

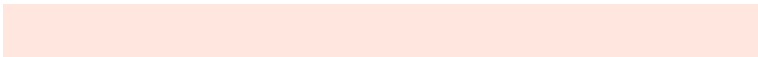
■ 48.1174, 34.9182,  
4.5205

■ 47.3460, 33.4719,  
3.9653

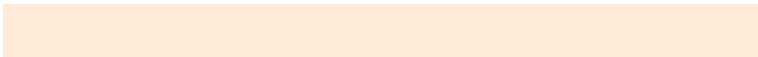
# Harmonies

## Analogous

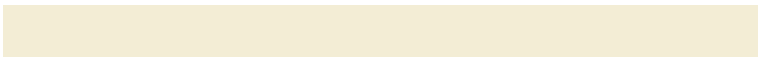
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3243, 84.4441, 81.2991



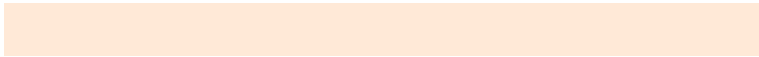
82.6447, 84.4441, 76.2335



79.3924, 84.4441, 75.2304

# Triad

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



82.6447, 84.4441, 76.2335



74.1907, 84.4441, 94.4662



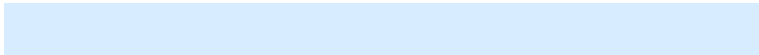
84.1950, 84.4441, 106.8938

# Complementary

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



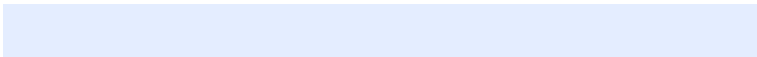
82.6447, 84.4441, 76.2335



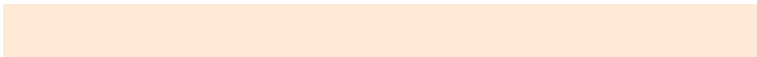
76.3578, 82.2332, 106.4559

# Split Complementary

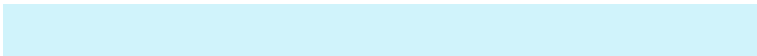
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1371, 84.4441, 110.9689



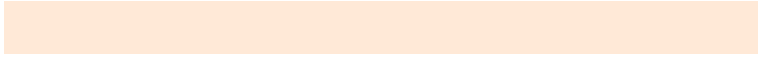
82.6447, 84.4441, 76.2335



75.4032, 84.4441, 103.4825

# Square

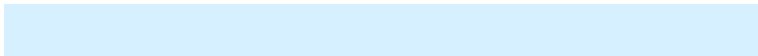
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6447, 84.4441, 76.2335



74.5696, 84.4441, 85.3509



77.9247, 84.4441, 109.6799

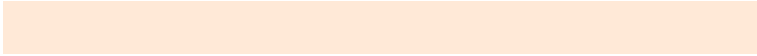


86.2361, 84.4441, 98.8708



# Rectangle

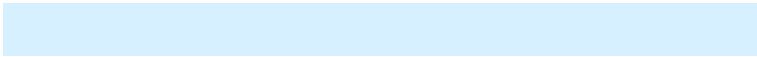
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6447, 84.4441, 76.2335



77.3469, 84.4441, 76.9320



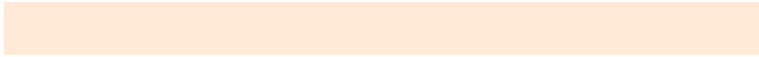
77.9247, 84.4441, 109.6799



83.2486, 84.4441, 108.7948

# Sweetspot

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



82.6466, 84.4477, 76.2353



90.8687, 94.8140, 97.7130



80.8271, 75.9763, 90.5262



19.3275, 20.1418, 20.5907



0.0000, 0.0000, 0.0000

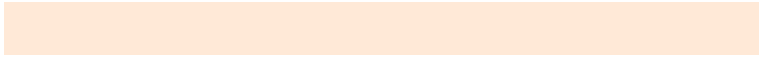


20.3446, 21.4041, 23.3091

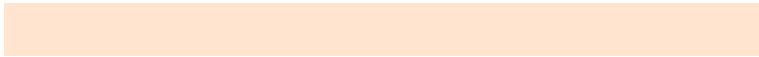


# Same Dimension

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



82.6466, 84.4477, 76.2353



80.2897, 81.4274, 70.2288



88.6313, 96.4170, 78.2302



18.6826, 19.3335, 18.8914



24.8835, 17.7783, 2.1200

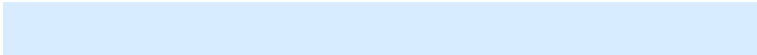


2.5301, 1.9455, 0.2422

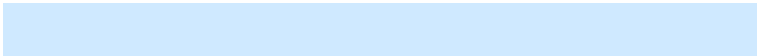


# Inverse Universe

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



76.3578, 82.2332, 106.4559



72.8497, 78.8069, 105.9794



70.8882, 71.2939, 104.6326



17.8310, 19.0337, 22.9840



14.4997, 13.9090, 51.3551

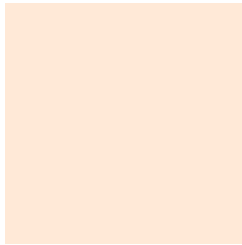


1.5209, 1.5726, 5.0366



# Previews

## White Background



This preview shows how the XYZ color 82.6447, 84.4441, 76.2335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

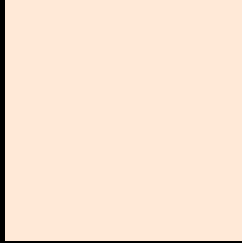
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6447, 84.4441, 76.2335 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 82.6447, 84.4441, 76.2335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.6447, 84.4441, 76.2335.



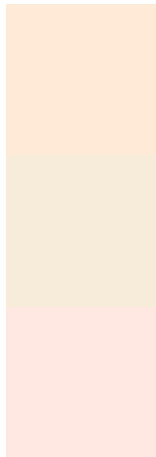
This preview shows how white text looks on a background with the XYZ color 82.6447, 84.4441,

76.2335.

# 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

82.6447, 84.4441, 76.2335

### Protanopia

80.5259, 84.5935, 77.7296

### Deuteranopia

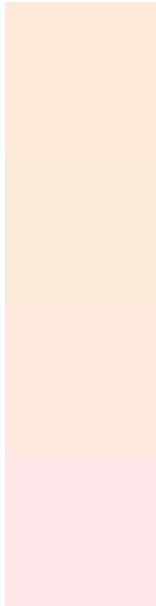
83.6872, 84.4095, 83.1160



## Tritanopia

85.8659, 84.3853, 97.3503

# Trichromacy



## Original Color

82.6447, 84.4441, 76.2335

## Protanomaly

81.1699, 84.5143, 77.0005

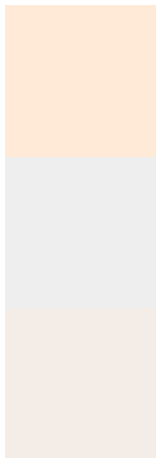
## Deuteranomaly

83.1478, 84.1937, 80.2753

## Tritanomaly

84.5239, 84.2950, 88.9065

# Monochromacy



## Original Color

82.6447, 84.4441, 76.2335

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.5866, 84.9372, 86.9573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6447, 84.4441, 76.2335 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, 233, 215) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6447, 84.4441, 76.2335 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, 233, 215) }
```



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

```
.border{ border-color:rgb(255, 233, 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, 233, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6447, 84.4441, 76.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 215) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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