

# Converting Colors

XYZ(82.6397, 84.0724, 77.3473)

Have a look what the booklet for  
XYZ(82.6397, 84.0724, 77.3473)  
contains.

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# Color

**XYZ(82.6210, 83.9830,  
77.5014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8D9
RGB	255, 232, 217
RGB Percent	100%, 91%, 85%
CMY	0.0000, 0.0902, 0.1490
CMYK	0.00, 0.09, 0.15, 0.00
HSL	24°, 100%, 93%
HSV	24°, 15%, 100%
XYZ	82.6210, 83.9830, 77.5014
YIQ	237.1670, 18.5230, 0.2110

# Conversions

## Conversions Part 2

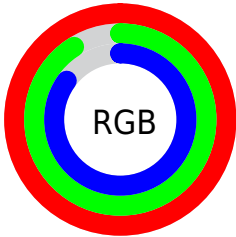
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 242, 217
Decimal	16771289
CIE Lab	93.44, 5.45, 10.12
CIE LCh	93, 11.496, 61.712
Yxy	83.9830, 0.3385, 0.3440
Android (android.graphics.Color)	4294961369 (0xFFFFE8D9)
YUV	237.1670, -9.9423, 15.6395
Hunter-Lab	91.6422, 0.5546, 14.0083

# Details

The XYZ color **82.6210, 83.9830, 77.5014** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8246, 84.2895, 106.7755**, and the grayscale version is **80.6908, 84.8930, 92.4485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3356, 45.6651, 40.6072** is the 20% darker color. If you saturate the color by 10%, you get **75.4029, 74.4509, 59.9765**, and if you desaturate by 10%, it is **90.7371, 94.4901, 97.8561**.

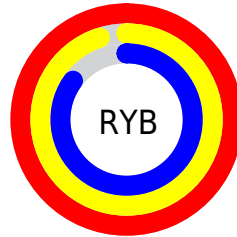
# Distribution



Red (100%)

Green (91%)

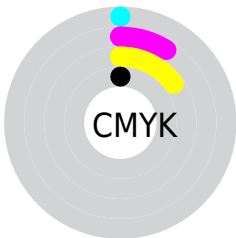
Blue (85%)



Red (100%)

Yellow (95%)

Blue (85%)

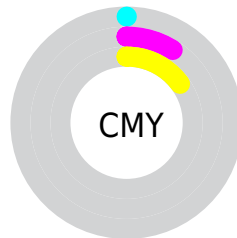


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6210, 83.9830, 77.5014 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 82.6210, 83.9830, 77.5014 by changing the saturation by 10% instead.




 82.6210, 83.9830,  
77.5014

 82.6210, 83.9830,  
77.5014


492.3256,  
508.2568, 505.9549

 62.1934, 63.0014,  
57.1505


135.9758,  
138.9514, 131.6265

 45.4452, 45.8423,  
40.7159


169.6337,  
173.7070, 166.2377

 32.0110, 32.1214,  
27.7791


208.4324,  
213.8227, 206.4395

 21.5255, 21.4543,  
17.9216

252.7373,  
259.6829, 252.6503

 13.6233, 13.4565,  
10.7249

302.9137,  
311.6720, 305.2887

 7.9391, 7.7436,  
5.7703

359.3270,

 4.1075, 3.9313,

370.1745, 364.7732

2.6394

422.3425,  
435.5746, 431.5224

■ 1.7631, 1.6352,  
0.9127

■ 0.4953, 0.3812,  
0.0000

■ 82.6210, 83.9830,  
77.5014

■ 82.6210, 83.9830,  
77.5014

■ 75.4029, 74.4509,  
59.9765

■ 90.7371, 94.4901,  
97.8561

■ 69.0435, 65.8541,  
45.1494

95.0500, 100.0000,  
108.9000

■ 63.5094, 58.1657,  
32.8852

■ 58.7625, 51.3536,  
23.0353

■ 54.7611, 45.3834,  
15.4357

■ 51.4593, 40.2178,  
9.9014

■ 48.8045, 35.8163,  
6.2174

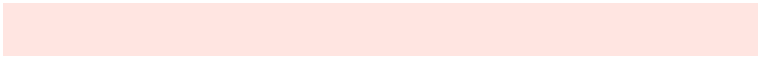
■ 46.7345, 32.1328,  
4.1199

■ 45.8639, 30.5078,  
3.4713

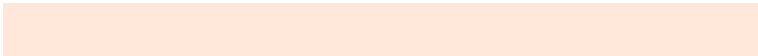
# Harmonies

## Analogous

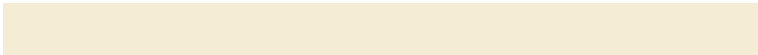
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8915, 83.9830, 82.9363



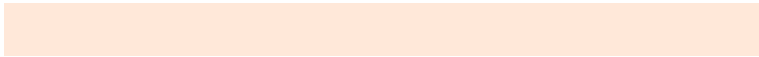
82.6210, 83.9830, 77.5014



79.6491, 83.9830, 75.7341

# Triad

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



82.6210, 83.9830, 77.5014



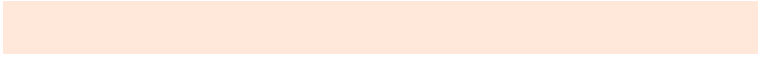
74.1311, 83.9830, 91.9434



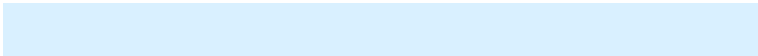
82.9303, 83.9830, 106.4108

# Complementary

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



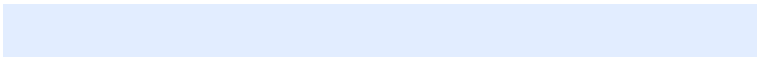
82.6210, 83.9830, 77.5014



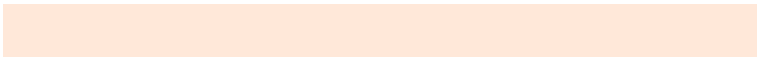
77.8246, 84.2895, 106.7755

# 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.



79.9978, 83.9830, 109.1869



82.6210, 83.9830, 77.5014



74.9610, 83.9830, 100.5128

# Square

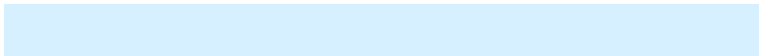
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6210, 83.9830, 77.5014



74.7940, 83.9830, 83.7492



77.0895, 83.9830, 106.9641



85.0732, 83.9830, 99.5946



# Rectangle

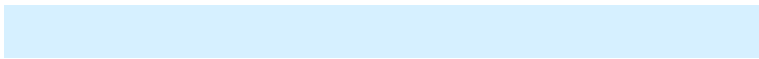
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6210, 83.9830, 77.5014



77.6839, 83.9830, 76.7780



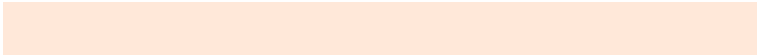
77.0895, 83.9830, 106.9641



82.0017, 83.9830, 107.8662

# Sweetspot

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



82.6230, 83.9866, 77.5032



91.5134, 95.4853, 99.8334



81.8461, 77.2037, 93.3646



19.4488, 20.2599, 21.0149



0.0000, 0.0000, 0.0000

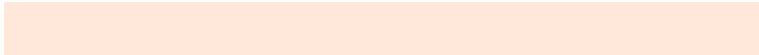


20.3446, 21.4041, 23.3091

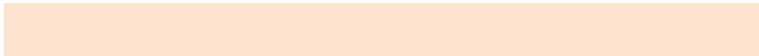


# Same Dimension

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



82.6230, 83.9866, 77.5032



80.2916, 80.9296, 71.7757



88.1266, 94.9939, 79.3377



18.5978, 19.1638, 18.8631



24.1002, 16.2117, 1.8590

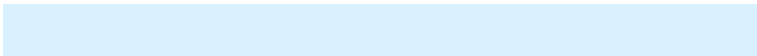


2.4495, 1.7843, 0.2153

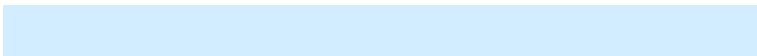


# Inverse Universe

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



77.8246, 84.2895, 106.7755



74.6209, 81.2861, 106.3646



72.6372, 73.9148, 105.0463



17.9177, 19.2069, 23.0129



15.6459, 16.2014, 51.7371

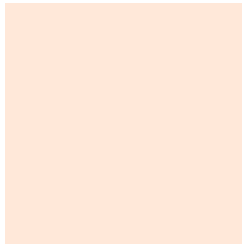


1.6300, 1.7907, 5.0730



# Previews

## White Background



This preview shows how the XYZ color 82.6210, 83.9830, 77.5014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

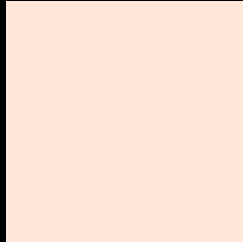
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6210, 83.9830, 77.5014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

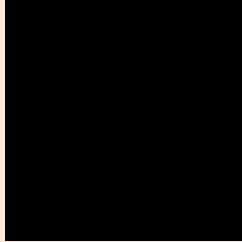
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.6210, 83.9830, 77.5014

## Background



This preview shows how black text looks on a background with the XYZ color 82.6210, 83.9830, 77.5014.



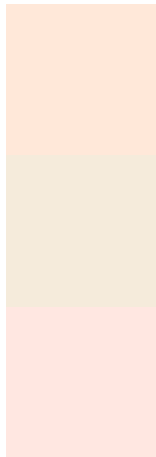
This preview shows how white text looks on a background with the XYZ color 82.6210, 83.9830,



# 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

82.6210, 83.9830, 77.5014

### Protanopia

80.1507, 83.9436, 78.9962

### Deuteranopia

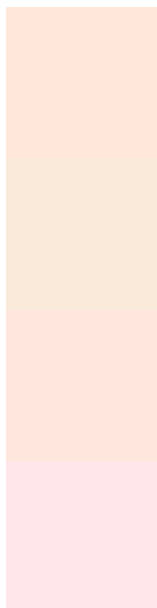
83.4065, 83.8481, 83.0225



## **Tritanopia**

85.5884, 83.8303, 97.2578

# Trichromacy



## Original Color

82.6210, 83.9830, 77.5014

## Protanomaly

81.1446, 84.0473, 78.2756

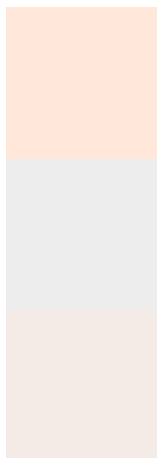
## Deuteranomaly

83.0007, 83.6858, 80.8856

## Tritanomaly

84.3881, 83.7941, 89.5681

# Monochromacy



## Original Color

82.6210, 83.9830, 77.5014

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.2995, 84.3629, 86.8616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6210, 83.9830, 77.5014 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, 232, 217) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 217)  
}
```

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, 232, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6210, 83.9830, 77.5014 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, 232, 217) }
```



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

```
.border{ border-color:rgb(255, 232, 217) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6210, 83.9830, 77.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 217) }
```

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

```
.background{ background-color: rgb(255,  
232, 217) }
```

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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