

# Converting Colors

XYZ(85.1147, 84.9909, 75.4261)

Have a look what the booklet for  
XYZ(85.1147, 84.9909, 75.4261)  
contains.

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# Color

**XYZ(81.9535, 83.2669,  
75.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7D6
RGB	255, 231, 214
RGB Percent	100%, 91%, 84%
CMY	0.0000, 0.0941, 0.1608
CMYK	0.00, 0.09, 0.16, 0.00
HSL	25°, 100%, 92%
HSV	25°, 16%, 100%
XYZ	81.9535, 83.2669, 75.3710
YIQ	236.2380, 19.7610, -0.1990

# Conversions

## Conversions Part 2

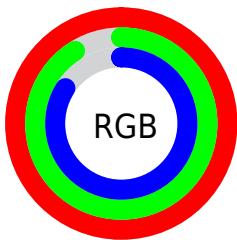
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 243, 214
Decimal	16771030
CIE Lab	93.13, 5.50, 11.24
CIE LCh	93, 12.512, 63.903
Yxy	83.2669, 0.3406, 0.3461
Android (android.graphics.Color)	4294961110 (0xFFFFE7D6)
YUV	236.2380, -10.9633, 16.4543
Hunter-Lab	91.2507, 0.6246, 14.9033

# Details

The XYZ color **81.9535, 83.2669, 75.3710** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3552, 82.6628, 106.5389**, and the grayscale version is **79.9836, 84.1490, 91.6383**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8767, 45.1689, 39.1541** is the 20% darker color. If you saturate the color by 10%, you get **74.9484, 74.0667, 58.2071**, and if you desaturate by 10%, it is **89.8287, 93.3905, 95.3422**.

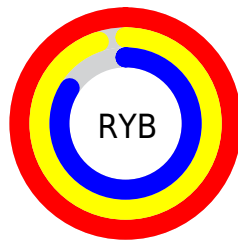
# Distribution



Red (100%)

Green (91%)

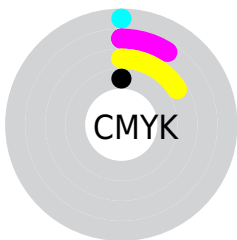
Blue (84%)



Red (100%)

Yellow (95%)

Blue (84%)

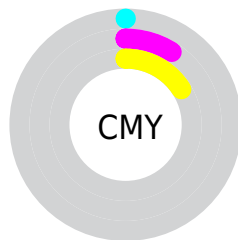


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9535, 83.2669, 75.3710 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 81.9535, 83.2669, 75.3710 by changing the saturation by 10% instead.




 81.9535, 83.2669,  
75.3710

 81.9535, 83.2669,  
75.3710


490.1290,  
505.8756, 498.4812

 61.6412, 62.4104,  
55.4133


135.0450,  
137.9492, 128.5893

 44.9973, 45.3644,  
39.3319


168.5548,  
172.5438, 162.6870

 31.6566, 31.7445,  
26.7082


207.1945,  
212.4865, 202.3352

 21.2536, 21.1664,  
17.1237

251.3295,  
258.1617, 247.9523

 13.4230, 13.2457,  
10.1598

301.3251,  
309.9538, 299.9569

 7.7995, 7.5980,  
5.3981

357.5466,

 4.0176, 3.8388,

368.2472, 358.7676

2.4199

420.3595,  
433.4264, 424.8028

■ 1.7121, 1.5838,  
0.7972

■ 0.4638, 0.3466,  
0.0000

■ 81.9535, 83.2669,  
75.3710

■ 81.9535, 83.2669,  
75.3710

■ 74.9484, 74.0667,  
58.2071

■ 89.8287, 93.3905,  
95.3422

■ 68.7748, 65.7520,  
43.7177

95.0500, 100.0000,  
108.9000

■ 63.4000, 58.2978,  
31.7671

■ 58.7867, 51.6738,  
22.2054

■ 54.8938, 45.8476,  
14.8667

■ 51.6760, 40.7842,  
9.5636

■ 49.0812, 36.4450,  
6.0772

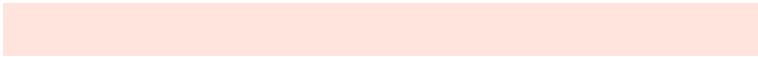
■ 47.0469, 32.7862,  
4.1359

■ 46.3698, 31.5196,  
3.6399

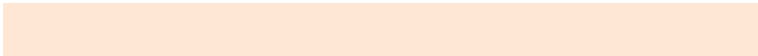
# Harmonies

## Analogous

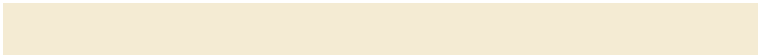
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5011, 83.2669, 80.9443



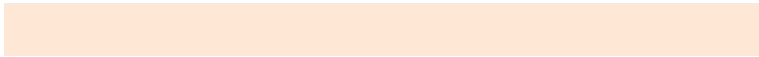
81.9535, 83.2669, 75.3710



78.7136, 83.2669, 73.7889

# Triad

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



81.9535, 83.2669, 75.3710



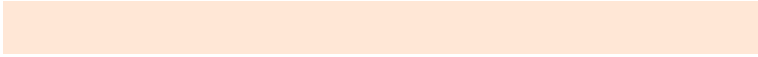
73.0075, 83.2669, 91.9002



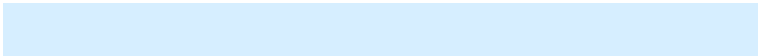
82.7179, 83.2669, 106.5195

# Complementary

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



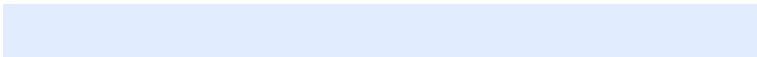
81.9535, 83.2669, 75.3710



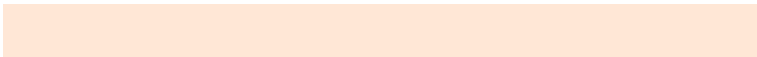
76.3552, 82.6628, 106.5389

# Split Complementary

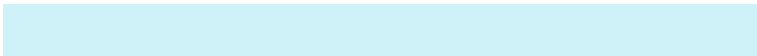
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5733, 83.2669, 109.9325



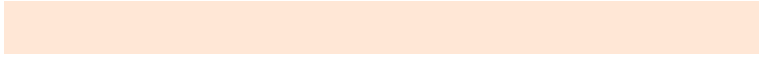
81.9535, 83.2669, 75.3710



74.0158, 83.2669, 101.1312

# Square

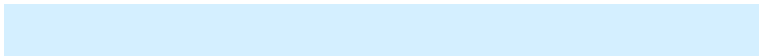
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9535, 83.2669, 75.3710



73.6054, 83.2669, 82.9375



76.3969, 83.2669, 107.8961



84.9509, 83.2669, 98.8550



# Rectangle

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



81.9535, 83.2669, 75.3710



76.6112, 83.2669, 75.1125



76.3969, 83.2669, 107.8961



81.7293, 83.2669, 108.2252

# Sweetspot

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



81.9555, 83.2705, 75.3727



90.7302, 94.5370, 97.6669



80.8080, 75.5624, 91.6783



19.2939, 20.0746, 20.5795



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

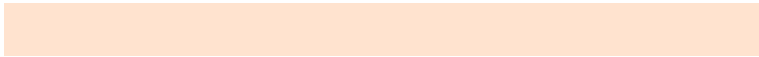


# Same Dimension

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



81.9555, 83.2705, 75.3727



79.8197, 80.4873, 70.0721



87.8438, 95.0471, 77.3355



18.6283, 19.2247, 18.8733



24.3682, 16.7476, 1.9483

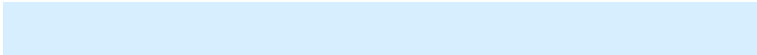


2.4774, 1.8401, 0.2246

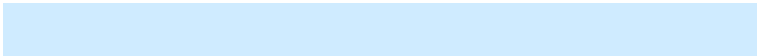


# Inverse Universe

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



76.3552, 82.6628, 106.5389



73.3376, 79.7828, 106.1421



70.8798, 71.7119, 104.7138



17.8864, 19.1444, 23.0025



15.2176, 15.3447, 51.5944

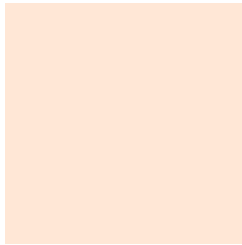


1.5895, 1.7098, 5.0595



# Previews

## White Background



This preview shows how the XYZ color 81.9535, 83.2669, 75.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

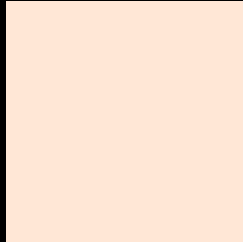
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9535, 83.2669, 75.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

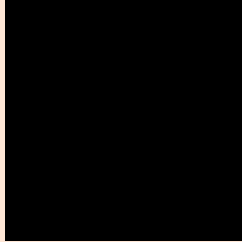
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.9535, 83.2669, 75.3710

## Background



This preview shows how black text looks on a background with the XYZ color 81.9535, 83.2669, 75.3710.



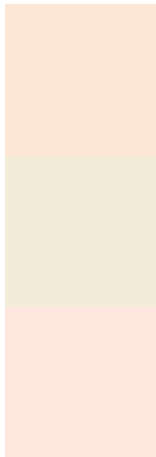
This preview shows how white text looks on a background with the XYZ color 81.9535, 83.2669,

75.3710.

# 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

81.9535, 83.2669, 75.3710

### Protanopia

79.4112, 83.6076, 76.9182

### Deuteranopia

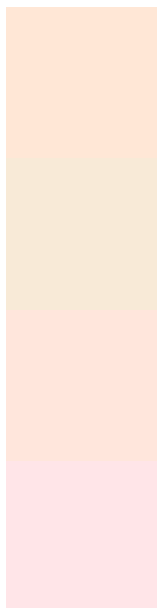
82.8561, 83.1813, 81.5007



## Tritanopia

85.1611, 83.2179, 96.3682

# Trichromacy



## Original Color

81.9535, 83.2669, 75.3710

## Protanomaly

80.4000, 83.7084, 76.2098

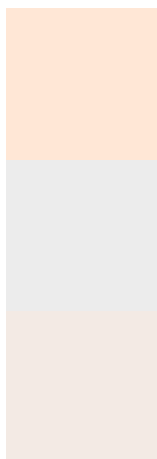
## Deuteranomaly

82.4551, 83.0209, 79.3889

## Tritanomaly

83.8248, 83.1248, 87.9706

# Monochromacy



## Original Color

81.9535, 83.2669, 75.3710

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.3886, 83.5018, 85.2793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9535, 83.2669, 75.3710 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, 231, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 214)  
}
```

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, 231, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9535, 83.2669, 75.3710 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, 231, 214) }
```



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

```
.border{ border-color:rgb(255, 231, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9535, 83.2669, 75.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 214) }
```

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

```
.background{ background-color: rgb(255,  
231, 214) }
```

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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