

# Converting Colors

XYZ(109.8259, 100.0000,  
77.2835)

Have a look what the booklet for  
XYZ(109.8259, 100.0000, 77.2835)  
contains.

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# Color

**XYZ(83.6618, 86.6834,  
75.9405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDD6
RGB	255, 237, 214
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0706, 0.1608
CMYK	0.00, 0.07, 0.16, 0.00
HSL	34°, 100%, 92%
HSV	34°, 16%, 100%
XYZ	83.6618, 86.6834, 75.9405
YIQ	239.7600, 18.1110, -3.3370

# Conversions

## Conversions Part 2

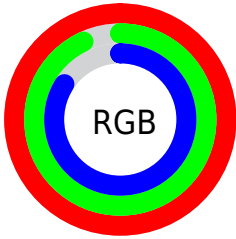
Format	Color
R <sub>Y</sub> B	246, 255, 214
Decimal	16772566
CIE Lab	94.60, 2.44, 13.33
CIE LCh	95, 13.553, 79.626
Yxy	86.6834, 0.3397, 0.3520
Android (android.graphics.Color)	4294962646 (0xFFFFEDD6)
YUV	239.7600, -12.6997, 13.3655
Hunter-Lab	93.1039, -2.5344, 16.8127

# Details

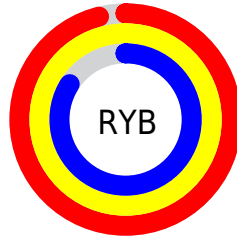
The XYZ color **83.6618, 86.6834, 75.9405** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6375, 79.2272, 105.9663**, and the grayscale version is **82.7248, 87.0329, 94.7788**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0706, 47.5567, 39.5521** is the 20% darker color. If you saturate the color by 10%, you get **77.5172, 79.2044, 59.0635**, and if you desaturate by 10%, it is **90.5226, 94.7783, 95.5736**.

# Distribution



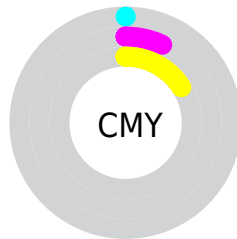
- Red (100%)
- Green (93%)
- Blue (84%)



- Red (96%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (7%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6618, 86.6834, 75.9405 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 83.6618, 86.6834, 75.9405 by changing the saturation by 10% instead.



 83.6618, 86.6834,  
75.9405

 83.6618, 86.6834,  
75.9405


495.7401,  
517.1820, 500.4854

 63.0550, 65.2332,  
55.8774


137.4257,  
142.7228, 129.4021

 46.1445, 47.6502,  
39.7013


171.3135,  
178.0808, 163.6377

 32.5650, 33.5500,  
26.9937

210.3591,  
218.8435, 203.4344

 21.9510, 22.5481,  
17.3361

254.9277,  
265.3954, 249.2110

 13.9373, 14.2602,  
10.3099

305.3848,  
318.1207, 301.3858

 8.1585, 8.3019,  
5.4966

362.0956,

 4.2492, 4.2887,

377.4040, 360.3774

2.4777

425.4256,  
443.6296, 426.6045

■ 1.8441, 1.8363,  
0.8283

■ 0.5440, 0.5097,  
0.0000

■ 83.6618, 86.6834,  
75.9405

■ 83.6618, 86.6834,  
75.9405

■ 77.5172, 79.2044,  
59.0635

■ 90.5226, 94.7783,  
95.5736

■ 72.0555, 72.3133,  
44.8114

95.0500, 100.0000,  
108.9000

■ 67.2493, 65.9962,  
33.0502

■ 63.0669, 60.2342,  
23.6322

■ 59.4735, 55.0070,  
16.3933

■ 56.4300, 50.2922,  
11.1483

■ 53.8913, 46.0651,  
7.6805

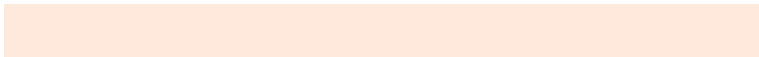
■ 51.8020, 42.2964,  
5.7210

■ 51.0748, 40.9296,  
5.2083

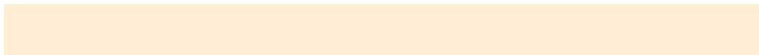
# Harmonies

## Analogous

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



87.0260, 86.6834, 79.8679



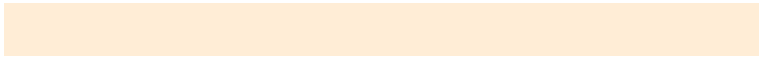
83.6618, 86.6834, 75.9405



80.0524, 86.6834, 76.6695

# Triad

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



83.6618, 86.6834, 75.9405



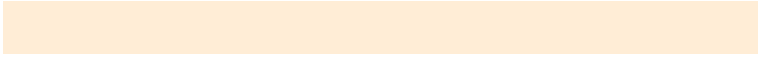
75.9472, 86.6834, 101.3050



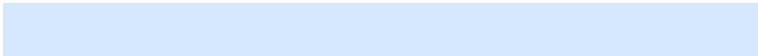
87.8598, 86.6834, 108.0284

# Complementary

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



83.6618, 86.6834, 75.9405



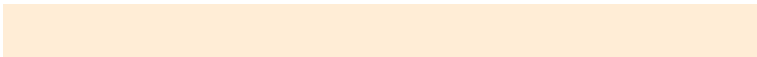
74.6375, 79.2272, 105.9663

# Split Complementary

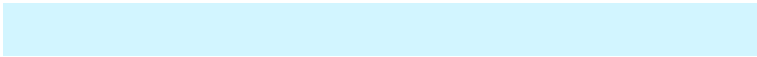
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7726, 86.6834, 114.6351



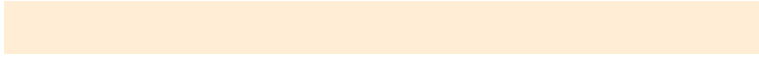
83.6618, 86.6834, 75.9405



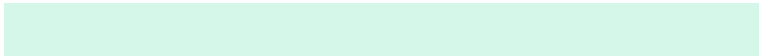
77.9216, 86.6834, 110.5592

# Square

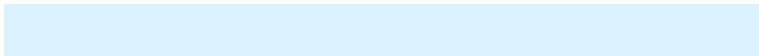
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6618, 86.6834, 75.9405



75.6698, 86.6834, 90.8058



81.1311, 86.6834, 115.5941

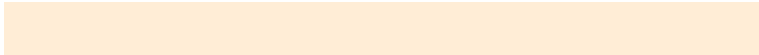


89.4967, 86.6834, 98.0539



# Rectangle

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



83.6618, 86.6834, 75.9405



77.9894, 86.6834, 79.7168



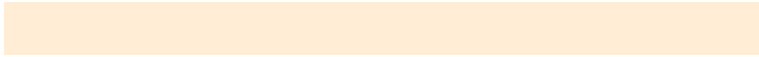
81.1311, 86.6834, 115.5941



86.9530, 86.6834, 110.7471

# Sweetspot

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



83.6638, 86.6871, 75.9423



91.3053, 95.6873, 97.8586



79.9167, 75.2060, 86.9844



19.4336, 20.3540, 20.6261



0.0000, 0.0000, 0.0000

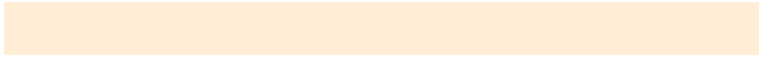


20.3446, 21.4041, 23.3091

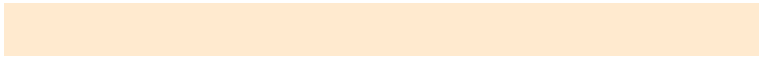


# Same Dimension

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



83.6638, 86.6871, 75.9423



81.7951, 84.4382, 70.7306



88.3877, 97.2484, 77.7319



18.8550, 19.6781, 18.9488



26.8390, 21.6893, 2.7719

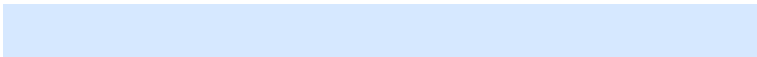


2.7221, 2.3295, 0.3062



# Inverse Universe

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



74.6375, 79.2272, 105.9663



71.3489, 75.8054, 105.4792



70.4313, 69.9209, 104.3917



17.6590, 18.6896, 22.9267



12.5971, 10.1037, 50.7209

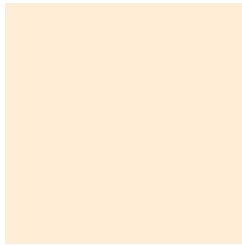


1.3331, 1.1969, 4.9740



# Previews

## White Background



This preview shows how the XYZ color 83.6618, 86.6834, 75.9405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

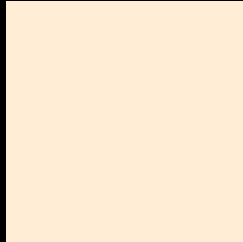
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6618, 86.6834, 75.9405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

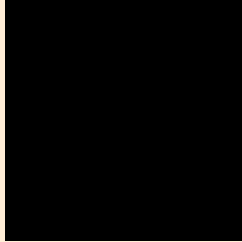
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.6618, 86.6834, 75.9405

## Background



This preview shows how black text looks on a background with the XYZ color 83.6618, 86.6834, 75.9405.



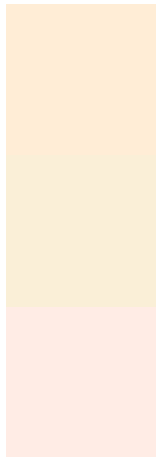
This preview shows how white text looks on a background with the XYZ color 83.6618, 86.6834,

75.9405.

# 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

83.6618, 86.6834, 75.9405

### Protanopia

82.5566, 86.9633, 76.7244

### Deuteranopia

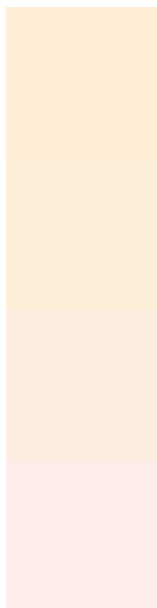
85.3783, 86.9080, 86.4038



## Tritanopia

87.4513, 86.8210, 100.1446

# Trichromacy



## Original Color

83.6618, 86.6834, 75.9405

## Protanomaly

82.9852, 86.7508, 76.6608

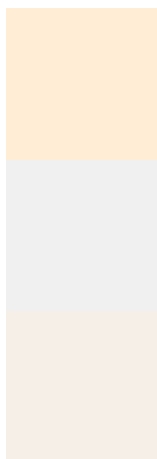
## Deuteranomaly

84.6900, 86.6327, 82.7792

## Tritanomaly

85.9437, 86.6748, 90.7975

# Monochromacy



## Original Color

83.6618, 86.6834, 75.9405

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.9465, 86.9150, 88.0058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6618, 86.6834, 75.9405 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, 237, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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, 237, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6618, 86.6834, 75.9405 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, 237, 214) }
```



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

```
.border{ border-color:rgb(255, 237, 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, 237, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6618, 86.6834, 75.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 214) }
```

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

```
.background{ background-color: rgb(255,  
237, 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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