

# Converting Colors

XYZ(81.9403, 86.2664, 71.3638)

Have a look what the booklet for  
XYZ(81.9403, 86.2664, 71.3638)  
contains.

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# Color

**XYZ(81.9819, 86.3495,  
71.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCEECF
RGB	252, 238, 207
RGB Percent	99%, 93%, 81%
CMY	0.0118, 0.0666, 0.1882
CMYK	0.00, 0.06, 0.18, 0.01
HSL	41°, 88%, 90%
HSV	41°, 18%, 99%
XYZ	81.9819, 86.3495, 71.3777
YIQ	238.6520, 18.2950, -6.6730

# Conversions

## Conversions Part 2

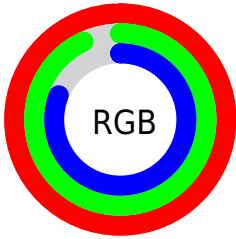
Format	Color
<a href="#">RYB</a>	<a href="#">227, 252, 207</a>
Decimal	<a href="#">16576207</a>
CIELab	<a href="#">94.46, -0.18, 16.71</a>
CIELCh	<a href="#">94, 16.713, 90.602</a>
Yxy	<a href="#">86.3495, 0.3420, 0.3602</a>
Android (android.graphics.Color)	<a href="#">4294766287</a> ( <a href="#">0xFFFCCECF</a> )
YUV	<a href="#">238.6520, -15.6044, 11.7062</a>
Hunter-Lab	<a href="#">92.9244, -5.1374, 19.5049</a>

# Details

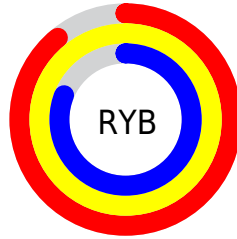
The XYZ color **81.9819, 86.3495, 71.3777** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.1590, 72.0050, 102.3494**, and the grayscale version is **81.8829, 86.1472, 93.8143**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9834, 47.3579, 36.9071** is the 20% darker color. If you saturate the color by 10%, you get **76.9121, 80.7525, 55.6818**, and if you desaturate by 10%, it is **87.6475, 92.3495, 89.7002**.

# Distribution



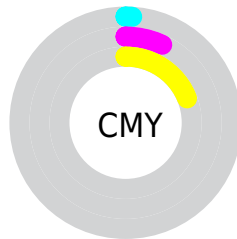
- Red (99%)
- Green (93%)
- Blue (81%)



- Red (89%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (1%)




- Cyan (1%)
- Magenta (7%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9819, 86.3495, 71.3777 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 81.9819, 86.3495, 71.3777 by changing the saturation by 10% instead.




 81.9819, 86.3495,  
71.3777

 81.9819, 86.3495,  
71.3777


490.2226,  
516.0829, 484.2919

 61.6647, 64.9570,  
52.1668


135.0846,  
142.2571, 122.8708

 45.0164, 47.4262,  
36.7549


168.6007,  
177.5410, 155.9901

 31.6717, 33.3727,  
24.7234


207.2472,  
218.2242, 194.5826

 21.2652, 22.4121,  
15.6540

251.3895,  
264.6910, 239.0668

 13.4315, 14.1600,  
9.1279

301.3928,  
317.3259, 289.8613

 7.8054, 8.2321,  
4.7268

357.6225,

 4.0214, 4.2438,

376.5133, 347.3846

2.0319

420.4439,  
442.6375, 412.0553

■ 1.7143, 1.8109,  
0.5748

■ 0.4652, 0.4939,  
0.0000

■ 81.9819, 86.3495,  
71.3777

■ 81.9819, 86.3495,  
71.3777

■ 76.9121, 80.7525,  
55.6818

■ 87.6475, 92.3495,  
89.7002

■ 72.4065, 75.5353,  
42.4839

■ 93.5357, 98.5966,  
108.7089

■ 68.4411, 70.6891,  
31.6529

■ 93.9551, 99.4356,  
108.8488

■ 64.9871, 66.2003,  
23.0434

■ 62.0125, 62.0539,  
16.4941

■ 59.4812, 58.2334,  
11.8211

■ 57.3509, 54.7197,  
8.8082

■ 55.5649, 51.4877,  
7.1646

■ 55.2096, 50.8246,  
6.9003

# Harmonies

## Analogous

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



86.3886, 86.3495, 74.0621



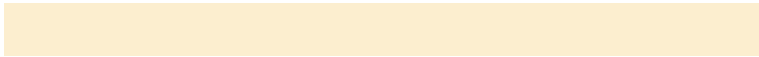
81.9819, 86.3495, 71.3777



77.7511, 86.3495, 74.2839

# Triad

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



81.9819, 86.3495, 71.3777



74.8561, 86.3495, 107.1915



89.8349, 86.3495, 106.7010

# Complementary

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



81.9819, 86.3495, 71.3777



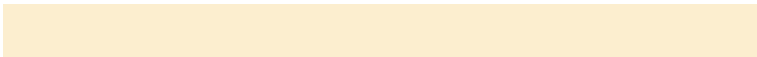
69.1590, 72.0050, 102.3494

# Split Complementary

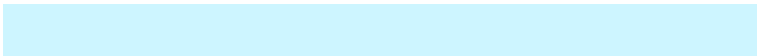
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5514, 86.3495, 116.9743



81.9819, 86.3495, 71.3777



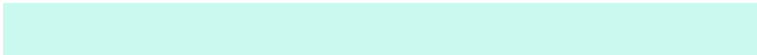
77.9028, 86.3495, 117.2752

# Square

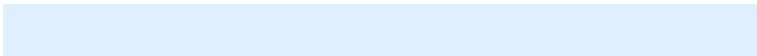
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9819, 86.3495, 71.3777



73.7302, 86.3495, 94.2800



82.1634, 86.3495, 121.0058



91.0217, 86.3495, 93.7603

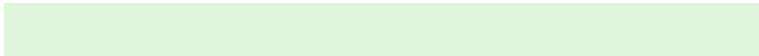


# Rectangle

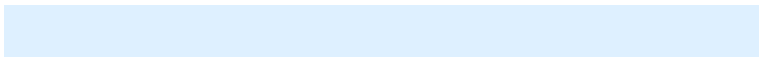
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9819, 86.3495, 71.3777



75.5735, 86.3495, 79.1685



82.1634, 86.3495, 121.0058



88.9340, 86.3495, 110.6215

# Sweetspot

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



81.9842, 86.3533, 71.3795



91.8126, 96.7019, 98.0277



75.5431, 70.5560, 78.2196



19.5570, 20.6008, 20.6672



0.0000, 0.0000, 0.0000

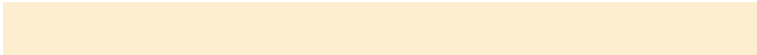


20.3446, 21.4041, 23.3091



# Same Dimension

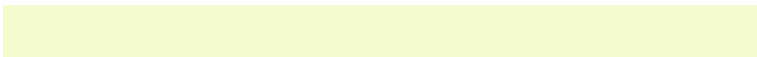
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9842, 86.3533, 71.3795



82.5110, 86.8490, 67.9510



83.2952, 93.3149, 72.6542



18.2453, 19.2266, 18.2119



28.8965, 26.7497, 3.6402



2.7707, 2.6663, 0.3686



# Inverse Universe

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



69.1590, 72.0050, 102.3494



67.3569, 69.8967, 104.5491



67.9824, 66.1401, 101.2793



16.7234, 17.5236, 21.8863



10.7006, 6.7568, 48.7138

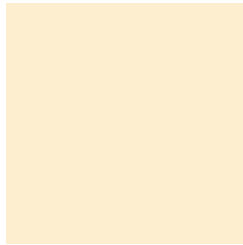


1.0811, 0.8059, 4.5418



# Previews

## White Background



This preview shows how the XYZ color 81.9819, 86.3495, 71.3777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

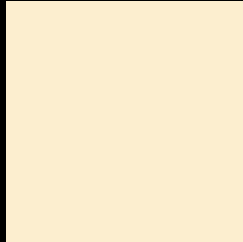
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9819, 86.3495, 71.3777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

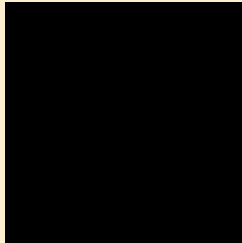
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.9819, 86.3495, 71.3777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.9819, 86.3495, 71.3777.



This preview shows how white text looks on a background with the XYZ color 81.9819, 86.3495,

71.3777.

# 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

81.9819, 86.3495, 71.3777

### Protanopia

81.6207, 86.1633, 71.3608

### Deuteranopia

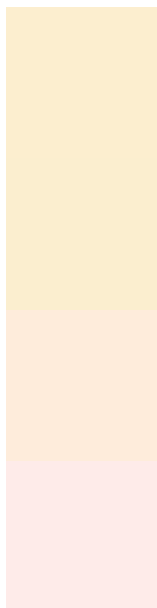
84.6758, 86.1676, 84.1206



## Tritanopia

87.3222, 86.3151, 100.8650

# Trichromacy



## Original Color

81.9819, 86.3495, 71.3777

## Protanomaly

81.6207, 86.1633, 71.3608

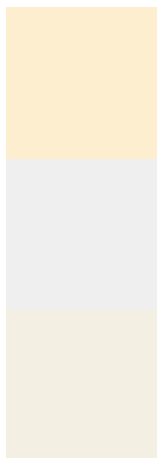
## Deuteranomaly

83.6547, 86.1762, 79.2424

## Tritanomaly

85.2894, 86.3707, 89.2668

# Monochromacy



## Original Color

81.9819, 86.3495, 71.3777

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.0399, 86.5122, 85.0476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9819, 86.3495, 71.3777 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(252, 238, 207)` looks like.

```
.text, #text, p{  
    color:rgb(252, 238, 207)  
}
```

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(252, 238, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 238, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9819, 86.3495, 71.3777 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(252, 238, 207) }
```



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

```
.border{ border-color:rgb(252, 238, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 238, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 238, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 238, 207); box-shadow:4px 4px 4px 4px rgb(252, 238, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9819, 86.3495, 71.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 238, 207) }
```

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

```
.background{ background-color: rgb(252,  
238, 207) }
```

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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