

# Converting Colors

XYZ(99.3579, 100.0000,  
79.8157)

Have a look what the booklet for  
XYZ(99.3579, 100.0000, 79.8157)  
contains.

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# Color

**XYZ(87.6401, 94.0211,  
79.1744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9D9
RGB	255, 249, 217
RGB Percent	100%, 98%, 85%
CMY	0.0000, 0.0235, 0.1490
CMYK	0.00, 0.02, 0.15, 0.00
HSL	51°, 100%, 93%
HSV	51°, 15%, 100%
XYZ	87.6401, 94.0211, 79.1744
YIQ	247.1460, 13.8480, -8.6800

# Conversions

## Conversions Part 2

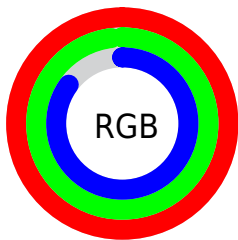
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 255, 217
Decimal	16775641
CIE <sub>Lab</sub>	97.64, -3.17, 16.08
CIE <sub>LCh</sub>	98, 16.394, 101.152
Yxy	94.0211, 0.3360, 0.3605
Android (android.graphics.Color)	4294965721 (0xFFFFF9D9)
YUV	247.1460, -14.8620, 6.8880
Hunter-Lab	96.9645, -8.3529, 19.4631

# Details

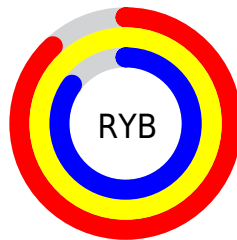
The XYZ color **87.6401, 94.0211, 79.1744** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.0524, 74.7451, 105.1847**, and the grayscale version is **88.6380, 93.2540, 101.5537**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8803, 52.7543, 41.7888** is the 20% darker color. If you saturate the color by 10%, you get **83.3468, 90.3388, 62.6246**, and if you desaturate by 10%, it is **92.4768, 97.9696, 98.4362**.

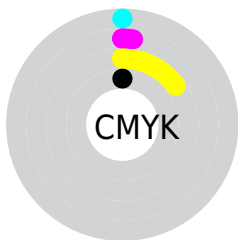
# Distribution



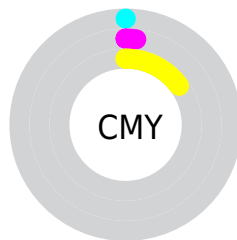
- Red (100%)
- Green (98%)
- Blue (85%)



- Red (88%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6401, 94.0211, 79.1744 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 87.6401, 94.0211, 79.1744 by changing the saturation by 10% instead.




 87.6401, 94.0211,  
79.1744

 87.6401, 94.0211,  
79.1744


508.6770,  
541.0264, 511.7793

 66.3548, 71.3205,  
58.5170


142.9511,  
152.9115, 134.0052

 48.8293, 52.6038,  
41.8070


177.7075,  
189.8701, 169.0158

 34.6981, 37.4866,  
28.6258


217.6851,  
232.3502, 209.6479

 23.5958, 25.5844,  
18.5548

263.2491,  
280.7362, 256.3199

 15.1572, 16.5130,  
11.1755

314.7650,  
335.4123, 309.4506

 9.0168, 9.8879,  
6.0693

372.5980,

 4.8093, 5.3247,

396.7632, 369.4584

2.8178

437.1135,  
465.1731, 436.7618

■ 2.1694, 2.4390,  
1.0024

■ 0.7266, 0.8458,  
0.0000

■ 87.6401, 94.0211,  
79.1744

■ 87.6401, 94.0211,  
79.1744

■ 83.3468, 90.3388,  
62.6246

■ 92.4768, 97.9696,  
98.4362

■ 79.5670, 86.9011,  
48.6573

95.0500, 100.0000,  
108.9000

■ 76.2773, 83.7014,  
37.1412

■ 73.4500, 80.7286,  
27.9312

■ 71.0544, 77.9700,  
20.8668

■ 69.0561, 75.4115,  
15.7670

■ 67.4148, 73.0368,  
12.4208

■ 66.0810, 70.8258,  
10.5687

■ 65.4836, 69.7471,  
10.0112

# Harmonies

## Analogous

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



92.2944, 94.0211, 79.9290



87.6401, 94.0211, 79.1744



83.5889, 94.0211, 84.2175

# Triad

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



87.6401, 94.0211, 79.1744



82.7770, 94.0211, 120.2310



98.1275, 94.0211, 110.9012

# Complementary

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



87.6401, 94.0211, 79.1744



73.0524, 74.7451, 105.1847

# Split Complementary

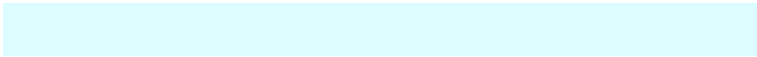
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3997, 94.0211, 122.9665



87.6401, 94.0211, 79.1744



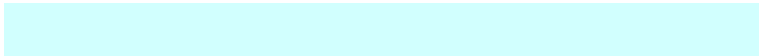
86.4967, 94.0211, 128.6683

# Square

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



87.6401, 94.0211, 79.1744



80.8470, 94.0211, 107.4237



91.1108, 94.0211, 129.7109

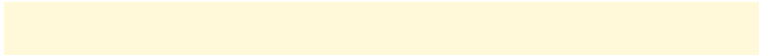


98.4596, 94.0211, 97.4831

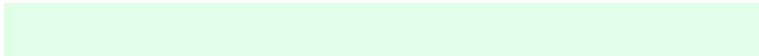


# Rectangle

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



87.6401, 94.0211, 79.1744



81.7333, 94.0211, 90.4683



91.1108, 94.0211, 129.7109



97.4559, 94.0211, 115.2788

# Sweetspot

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



87.6422, 94.0251, 79.1764



92.9398, 98.3381, 100.3089



79.4179, 76.2325, 80.5776



19.8102, 20.9825, 21.1353



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

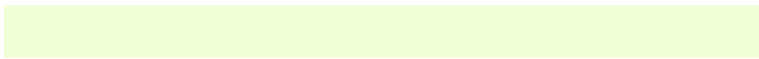
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6422, 94.0251, 79.1764



86.2546, 92.8556, 73.7633



85.0173, 95.4663, 79.5929



19.3029, 20.5739, 19.0981



34.3081, 36.6273, 5.2616



3.4031, 3.6916, 0.5332



# Inverse Universe

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



73.0524, 74.7451, 105.1847



69.0159, 70.0762, 104.4963



75.3900, 73.6148, 104.8433



17.2343, 17.8403, 22.7851



9.9000, 4.7097, 49.8218

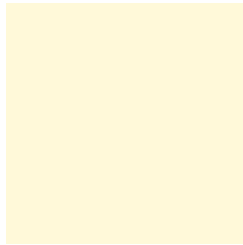


1.0275, 0.5856, 4.8722



# Previews

## White Background



This preview shows how the XYZ color 87.6401, 94.0211, 79.1744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

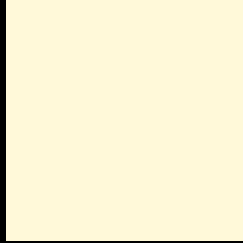
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.6401, 94.0211, 79.1744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

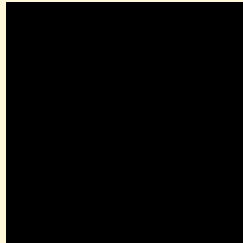
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.6401, 94.0211, 79.1744

## Background



This preview shows how black text looks on a background with the XYZ color 87.6401, 94.0211, 79.1744.



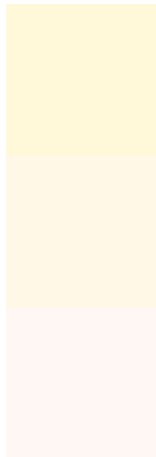
This preview shows how white text looks on a background with the XYZ color 87.6401, 94.0211,

79.1744.

# 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

87.6401, 94.0211, 79.1744

### Protanopia

89.2312, 94.1643, 89.0738

### Deuteranopia

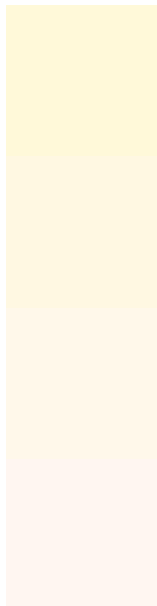
90.6784, 94.2526, 98.2073



## Tritanopia

91.9424, 93.7848, 107.8641

# Trichromacy



## Original Color

87.6401, 94.0211, 79.1744

## Protanomaly

88.5349, 93.8858, 85.4070

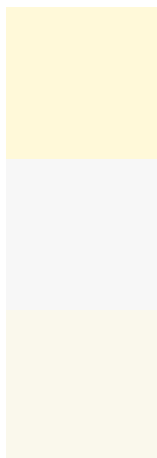
## Deuteranomaly

89.6587, 94.3353, 91.3249

## Tritanomaly

90.0730, 93.5224, 96.5234

# Monochromacy



## Original Color

87.6401, 94.0211, 79.1744

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.1321, 93.5149, 92.7620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6401, 94.0211, 79.1744 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, 249, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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, 249, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6401, 94.0211, 79.1744 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, 249, 217) }
```



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

```
.border{ border-color:rgb(255, 249, 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, 249, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.6401, 94.0211, 79.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 217) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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