

# Converting Colors

XYZ(98.9332, 100.0000,  
84.9529)

Have a look what the booklet for  
XYZ(98.9332, 100.0000, 84.9529)  
contains.

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# Color

**XYZ(88.8802, 95.0130,  
84.1759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAE0
RGB	255, 250, 224
RGB Percent	100%, 98%, 88%
CMY	0.0000, 0.0196, 0.1216
CMYK	0.00, 0.02, 0.12, 0.00
HSL	50°, 100%, 94%
HSV	50°, 12%, 100%
XYZ	88.8802, 95.0130, 84.1759
YIQ	248.5310, 11.3260, -7.0260

# Conversions

## Conversions Part 2

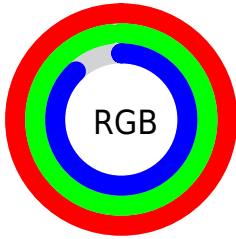
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 224
Decimal	16775904
CIE <sub>Lab</sub>	98.04, -2.60, 13.06
CIE <sub>LCh</sub>	98, 13.318, 101.269
Yxy	95.0130, 0.3316, 0.3544
Android (android.graphics.Color)	4294965984 (0xFFFFFAE0)
YUV	248.5310, -12.0938, 5.6733
Hunter-Lab	97.4746, -7.8191, 17.0313

# Details

The XYZ color **88.8802, 95.0130, 84.1759** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.8092, 79.1039, 105.8280**, and the grayscale version is **89.7491, 94.4231, 102.8267**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.7419, 53.4539, 45.2321** is the 20% darker color. If you saturate the color by 10%, you get **84.4158, 91.2099, 66.8862**, and if you desaturate by 10%, it is **93.8954, 99.0871, 104.2105**.

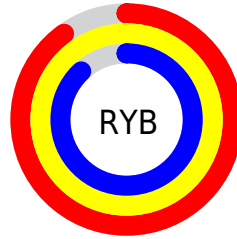
# Distribution



Red (100%)

Green (98%)

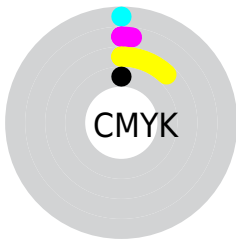
Blue (88%)



Red (90%)

Yellow (100%)

Blue (88%)

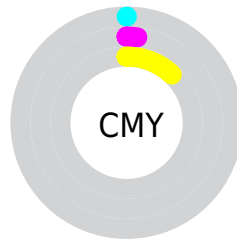


Cyan (0%)

Magenta (2%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.8802, 95.0130, 84.1759 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 88.8802, 95.0130, 84.1759 by changing the saturation by 10% instead.




 88.8802, 95.0130,  
84.1759

 88.8802, 95.0130,  
84.1759


512.6738,  
544.2066, 528.9705

 67.3855, 72.1458,  
62.6144


144.6682,  
154.2826, 141.0851

 49.6698, 53.2778,  
45.0904


179.6922,  
191.4537, 177.2700

 35.3678, 38.0246,  
31.1852


219.9567,  
234.1616, 219.1664

 24.1142, 26.0018,  
20.4802

265.8271,  
282.7907, 267.1929

 15.5435, 16.8250,  
12.5571

317.6686,  
337.7254, 321.7680

 9.2905, 10.1098,  
6.9971

375.8466,

 4.9898, 5.4718,

399.3500, 383.3103

3.3819

440.7266,  
468.0489, 452.2382

■ 2.2760, 2.5267,  
1.2928

■ 0.7823, 0.8899,  
0.0559

■ 88.8802, 95.0130,  
84.1759

■ 88.8802, 95.0130,  
84.1759

■ 84.4158, 91.2099,  
66.8862

■ 93.8954, 99.0871,  
104.2105

■ 80.4726, 87.6565,  
52.2142

95.0500, 100.0000,  
108.9000

■ 77.0279, 84.3463,  
40.0314

■ 74.0545, 81.2683,  
30.1963

■ 71.5228, 78.4104,  
22.5530

■ 69.3993, 75.7588,  
16.9267

■ 67.6457, 73.2980,  
13.1162

■ 66.2155, 71.0090,  
10.8781

■ 65.2660, 69.3120,  
9.9387

# Harmonies

## Analogous

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



92.6847, 95.0130, 84.7945



88.8802, 95.0130, 84.1759



85.5515, 95.0130, 88.4435

# Triad

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



88.8802, 95.0130, 84.1759



84.9016, 95.0130, 117.9474



97.4383, 95.0130, 110.3514

# Complementary

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



88.8802, 95.0130, 84.1759



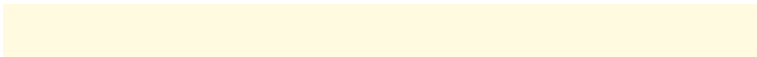
76.8092, 79.1039, 105.8280

# Split Complementary

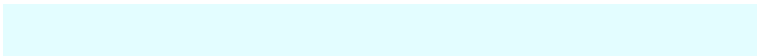
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.2356, 95.0130, 120.0713



88.8802, 95.0130, 84.1759



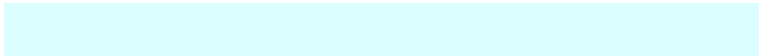
87.9704, 95.0130, 124.6655

# Square

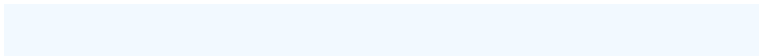
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8802, 95.0130, 84.1759



83.2980, 95.0130, 107.6156



91.7490, 95.0130, 125.4691



97.6986, 95.0130, 99.3992

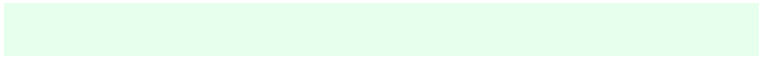


# Rectangle

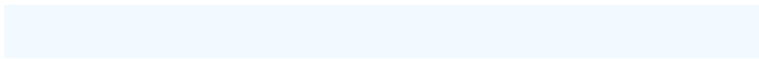
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8802, 95.0130, 84.1759



84.0223, 95.0130, 93.6735



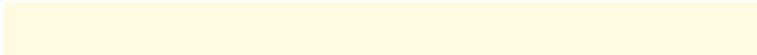
91.7490, 95.0130, 125.4691



96.8976, 95.0130, 113.8906

# Sweetspot

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



88.8823, 95.0169, 84.1779



92.9289, 98.3164, 100.3053



82.0626, 80.2389, 85.4145



19.8074, 20.9770, 21.1344



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.



88.8823, 95.0169, 84.1779



87.5575, 93.9079, 78.9865



86.7550, 96.2546, 84.5289



19.2974, 20.5630, 19.0963



34.1958, 36.4029, 5.2242



3.3932, 3.6718, 0.5299



# Inverse Universe

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



76.8092, 79.1039, 105.8280



72.9552, 74.6619, 105.1738



78.7478, 78.0815, 105.5285



17.2393, 17.8503, 22.7868



9.9166, 4.7427, 49.8274

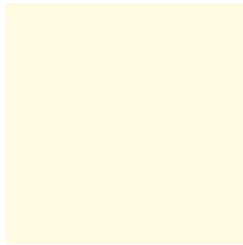


1.0298, 0.5903, 4.8729



# Previews

## White Background



This preview shows how the XYZ color 88.8802, 95.0130, 84.1759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

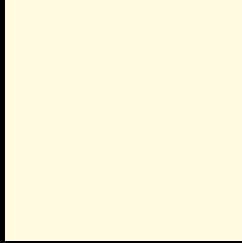
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8802, 95.0130, 84.1759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

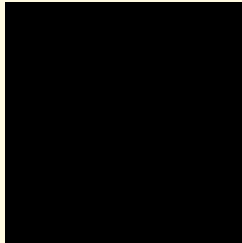
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 88.8802, 95.0130, 84.1759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.8802, 95.0130, 84.1759.



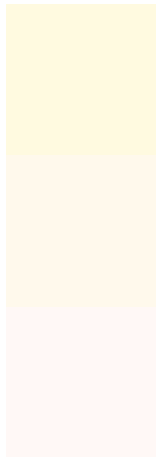
This preview shows how white text looks on a background with the XYZ color 88.8802, 95.0130,



# 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

88.8802, 95.0130, 84.1759

### Protanopia

90.2560, 95.0675, 92.9497

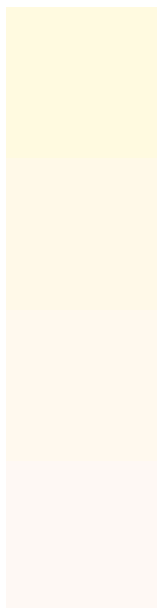
### Deuteranopia

91.4420, 95.0486, 100.7155

## Tritanopia

92.1838, 94.8124, 108.0497

# Trichromacy



## Original Color

88.8802, 95.0130, 84.1759

## Protanomaly

89.6812, 94.8376, 89.9227

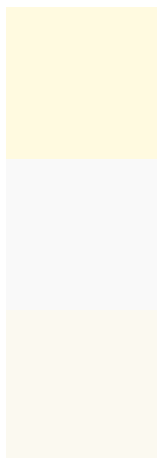
## Deuteranomaly

90.5483, 95.1844, 94.4889

## Tritanomaly

90.7696, 94.7373, 99.0900

# Monochromacy



## Original Color

88.8802, 95.0130, 84.1759

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.3875, 94.5519, 95.9772

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8802, 95.0130, 84.1759 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, 250, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 224)  
}
```

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, 250, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8802, 95.0130, 84.1759 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, 250, 224) }
```



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

```
.border{ border-color:rgb(255, 250, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8802, 95.0130, 84.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 224) }
```

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

```
.background{ background-color: rgb(255,  
250, 224) }
```

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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