

# Converting Colors

XYZ(88.9874, 96.2336, 81.1099)

Have a look what the booklet for  
XYZ(88.9874, 96.2336, 81.1099)  
contains.

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# Color

**XYZ(88.8366, 95.9953,  
80.8646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCDB
RGB	255, 252, 219
RGB Percent	100%, 99%, 86%
CMY	0.0000, 0.0117, 0.1412
CMYK	0.00, 0.01, 0.14, 0.00
HSL	55°, 100%, 93%
HSV	55°, 14%, 100%
XYZ	88.8366, 95.9953, 80.8646
YIQ	249.1350, 12.3810, -9.6270

# Conversions

## Conversions Part 2

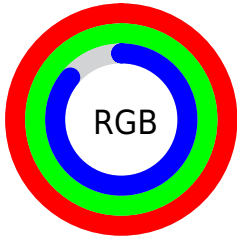
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 255, 219
Decimal	16776411
CIE <sub>Lab</sub>	98.43, -4.37, 16.18
CIE <sub>LCh</sub>	98, 16.755, 105.120
Yxy	95.9953, 0.3344, 0.3613
Android (android.graphics.Color)	4294966491 (0xFFFFFCDB)
YUV	249.1350, -14.8566, 5.1436
Hunter-Lab	97.9772, -9.6129, 19.6496

# Details

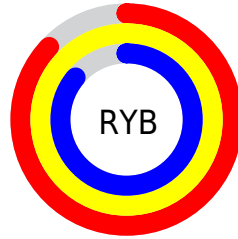
The XYZ color **88.8366, 95.9953, 80.8646** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.3841, 74.5206, 105.1239**, and the grayscale version is **90.2667, 94.9676, 103.4197**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.5046, 53.7163, 42.8811** is the 20% darker color. If you saturate the color by 10%, you get **85.0718, 93.4329, 64.2968**, and if you desaturate by 10%, it is **93.1276, 98.7864, 100.1475**.

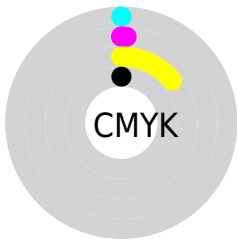
# Distribution



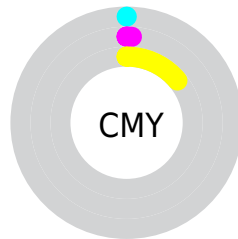
- Red (100%)
- Green (99%)
- Blue (86%)



- Red (87%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.8366, 95.9953, 80.8646 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 88.8366, 95.9953, 80.8646 by changing the saturation by 10% instead.




 88.8366, 95.9953,  
80.8646

 88.8366, 95.9953,  
80.8646


512.5335,  
547.3464, 517.6252

 67.3492, 72.9636,  
59.8997


144.6079,  
155.6389, 136.4030

 49.6402, 53.9462,  
42.9131


179.6225,  
193.0197, 171.8136

 35.3442, 38.5587,  
29.4860


219.8770,  
235.9523, 212.8766

 24.0959, 26.4166,  
19.2001

265.7366,  
284.8211, 260.0104

 15.5299, 17.1355,  
11.6366

317.5666,  
340.0105, 313.6336

 9.2809, 10.3312,  
6.3773

375.7326,

 4.9834, 5.6191,

401.9050, 374.1648

3.0033

440.5998,  
470.8888, 442.0225

■ 2.2722, 2.6149,  
1.0963

■ 0.7804, 0.9341,  
0.0000

■ 88.8366, 95.9953,  
80.8646

■ 88.8366, 95.9953,  
80.8646

■ 85.0718, 93.4329,  
64.2968

■ 93.1276, 98.7864,  
100.1475

■ 81.8033, 91.0776,  
50.3150

95.0500, 100.0000,  
108.9000

■ 79.0080, 88.9235,  
38.7890

■ 76.6586, 86.9595,  
29.5748

■ 74.7248, 85.1736,  
22.5132

■ 73.1727, 83.5519,  
17.4251

■ 71.9627, 82.0788,  
14.1025

■ 71.0464, 80.7348,  
12.2908

■ 70.6041, 79.9882,  
11.7180

# Harmonies

## Analogous

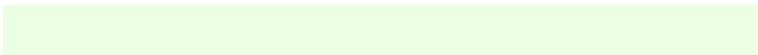
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6493, 95.9953, 80.8402



88.8366, 95.9953, 80.8646



84.8092, 95.9953, 86.8355

# Triad

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



88.8366, 95.9953, 80.8646



84.8355, 95.9953, 124.5507



100.5256, 95.9953, 111.5110

# Complementary

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



88.8366, 95.9953, 80.8646



73.3841, 74.5206, 105.1239

# Split Complementary

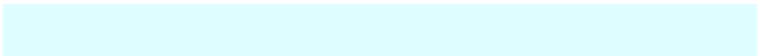
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9893, 95.9953, 124.4617



88.8366, 95.9953, 80.8646



88.8737, 95.9953, 132.4298

# Square

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



88.8366, 95.9953, 80.8646



82.5553, 95.9953, 111.6240



93.6877, 95.9953, 132.3959



100.5148, 95.9953, 97.7289

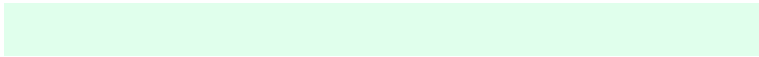


# Rectangle

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



88.8366, 95.9953, 80.8646



83.0625, 95.9953, 93.7145



93.6877, 95.9953, 132.3959



99.9388, 95.9953, 116.1312

# Sweetspot

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



88.8388, 95.9994, 80.8666



93.1809, 98.8203, 100.3893



79.7571, 77.1981, 79.8056



19.8714, 21.1050, 21.1557



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.



88.8388, 95.9994, 80.8666



87.7002, 95.2372, 75.8164



84.4819, 95.1600, 80.9343



19.4244, 20.8170, 19.1386



36.9460, 41.9033, 6.1409



3.6339, 4.1531, 0.6101



# Inverse Universe

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



73.3841, 74.5206, 105.1239



69.4660, 69.8960, 104.4378



77.3141, 75.3767, 105.0820



17.1244, 17.6204, 22.7485



9.6154, 4.1404, 49.7270

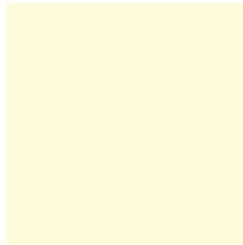


0.9759, 0.4824, 4.8550



# Previews

## White Background



This preview shows how the XYZ color 88.8366, 95.9953, 80.8646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

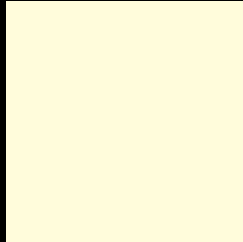
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8366, 95.9953, 80.8646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

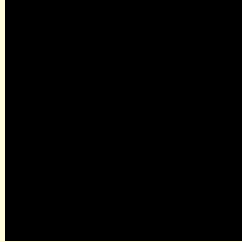
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 88.8366, 95.9953, 80.8646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.8366, 95.9953, 80.8646.



This preview shows how white text looks on a background with the XYZ color 88.8366, 95.9953,



# Color Blindness Simulation

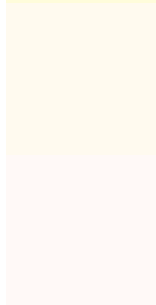
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

88.8366, 95.9953, 80.8646



### Protanopia

91.0056, 95.8632, 95.3683

### Deuteranopia

91.9042, 95.7268, 101.6289

## Tritanopia

92.7987, 96.0422, 108.2547

# Trichromacy



## Original Color

88.8366, 95.9953, 80.8646

## Protanomaly

90.3027, 96.0806, 90.1299

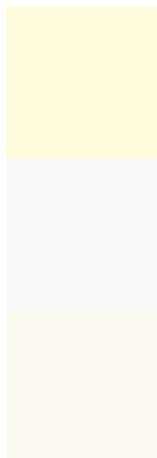
## Deuteranomaly

90.7117, 95.7456, 93.8205

## Tritanomaly

91.0857, 95.8528, 97.7051

# Monochromacy



## Original Color

88.8366, 95.9953, 80.8646

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.4019, 95.0535, 94.5241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8366, 95.9953, 80.8646 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, 252, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 219)  
}
```

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, 252, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8366, 95.9953, 80.8646 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".

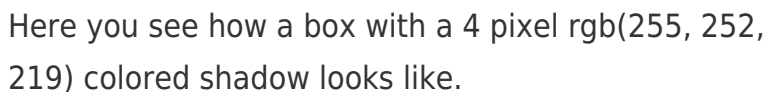
```
.border, #border, table{ border:4px solid rgb(255, 252, 219) }
```



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

```
.border{ border-color:rgb(255, 252, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 252, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8366, 95.9953, 80.8646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 219) }
```

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

```
.background{ background-color: rgb(255,  
252, 219) }
```

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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