

# Converting Colors

XYZ(98.5713, 100.0000,  
69.3756)

Have a look what the booklet for  
XYZ(98.5713, 100.0000, 69.3756)  
contains.

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# Color

**XYZ(85.6583, 93.2284,  
68.7385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9C9
RGB	255, 249, 201
RGB Percent	100%, 98%, 79%
CMY	0.0000, 0.0235, 0.2118
CMYK	0.00, 0.02, 0.21, 0.00
HSL	53°, 100%, 89%
HSV	53°, 21%, 100%
XYZ	85.6583, 93.2284, 68.7385
YIQ	245.3220, 18.9840, -13.6560

# Conversions

## Conversions Part 2

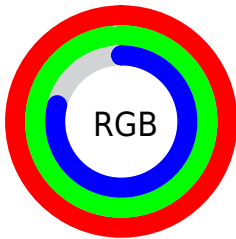
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 255, 201
Decimal	16775625
CIE <sub>Lab</sub>	97.32, -5.49, 23.81
CIE <sub>LCh</sub>	97, 24.433, 102.976
Yxy	93.2284, 0.3459, 0.3765
Android (android.graphics.Color)	4294965705 (0xFFFFF9C9)
YUV	245.3220, -21.8507, 8.4876
Hunter-Lab	96.5549, -10.6153, 25.3792

# Details

The XYZ color **85.6583, 93.2284, 68.7385** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.4497, 64.2613, 103.6146**, and the grayscale version is **87.2120, 91.7538, 99.9199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6251, 52.2523, 35.1793** is the 20% darker color. If you saturate the color by 10%, you get **82.0366, 90.3935, 53.9403**, and if you desaturate by 10%, it is **89.7956, 96.2969, 86.1676**.

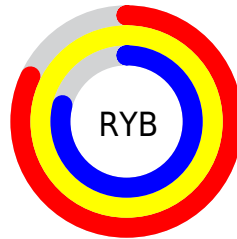
# Distribution



Red (100%)

Green (98%)

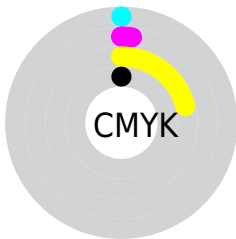
Blue (79%)



Red (82%)

Yellow (100%)

Blue (79%)

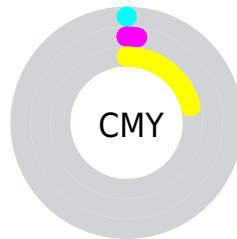


Cyan (0%)

Magenta (2%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6583, 93.2284, 68.7385 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 85.6583, 93.2284, 68.7385 by changing the saturation by 10% instead.




 85.6583, 93.2284,  
68.7385

 85.6583, 93.2284,  
68.7385


502.2548,  
538.4777, 474.7771

 64.7098, 70.6614,  
50.0283


140.2018,  
151.8148, 119.0722

 47.4896, 52.0659,  
35.0646


174.5276,  
188.6029, 151.5328

 33.6324, 37.0576,  
23.4287


214.0431,  
230.9002, 189.4139

 22.7729, 25.2521,  
14.7021

259.1137,  
279.0910, 233.1342

 14.5457, 16.2650,  
8.4663

310.1049,  
333.5598, 283.1121

 8.5854, 9.7118,  
4.3027

367.3818,

 4.5267, 5.2083,

394.6909, 339.7662

1.7928

431.3100,  
462.8687, 403.5150

■ 2.0042, 2.3700,  
0.4232

■ 0.6363, 0.8104,  
0.0000

■ 85.6583, 93.2284,  
68.7385

■ 85.6583, 93.2284,  
68.7385

■ 82.0366, 90.3935,  
53.9403

■ 89.7956, 96.2969,  
86.1676

■ 78.8993, 87.7702,  
41.6379

■ 94.4649, 99.5963,  
106.3423

■ 76.2219, 85.3518,  
31.6929

■ 95.0500, 100.0000,  
108.9000

■ 73.9750, 83.1265,  
23.9510

■ 72.1259, 81.0809,  
18.2397

■ 70.6368, 79.2000,  
14.3607

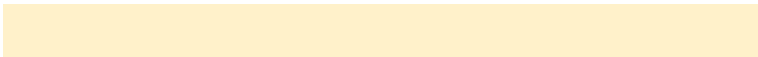
■ 69.4625, 77.4655,  
12.0760

■ 68.6259, 76.0318,  
11.0586

# Harmonies

## Analogous

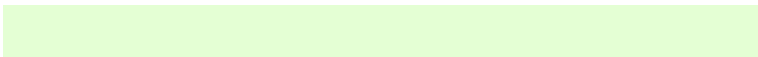
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5611, 93.2284, 69.2767



85.6583, 93.2284, 68.7385



79.8517, 93.2284, 76.1190

# Triad

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



85.6583, 93.2284, 68.7385



79.2338, 93.2284, 129.7466



101.9433, 93.2284, 113.0722

# Complementary

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



85.6583, 93.2284, 68.7385



64.4497, 64.2613, 103.6146

# 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.



97.9881, 93.2284, 131.9992



85.6583, 93.2284, 68.7385



84.7746, 93.2284, 142.4514

# Square

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



85.6583, 93.2284, 68.7385



76.2744, 93.2284, 110.3037



91.6304, 93.2284, 143.3257



102.2104, 93.2284, 93.1963

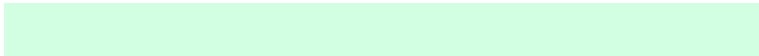


# Rectangle

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



85.6583, 93.2284, 68.7385



77.2853, 93.2284, 85.1714



91.6304, 93.2284, 143.3257



100.9920, 93.2284, 119.8146

# Sweetspot

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



85.6605, 93.2324, 68.7405



92.1442, 97.9747, 96.2591



73.4265, 67.5540, 68.3943



19.6575, 20.9245, 20.3220



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

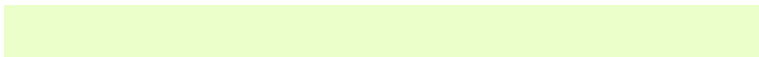
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6605, 93.2324, 68.7405



84.2155, 92.1206, 62.7770



80.3334, 93.2805, 69.0305



19.3789, 20.7260, 19.1235



35.9276, 39.8664, 5.8014



3.5452, 3.9757, 0.5805



# Inverse Universe

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



64.4497, 64.2613, 103.6146



59.8675, 58.8662, 102.8147



68.9699, 64.4767, 103.4179



17.1653, 17.7022, 22.7621



9.7039, 4.3174, 49.7565

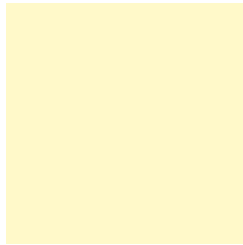


0.9951, 0.5209, 4.8614



# Previews

## White Background



This preview shows how the XYZ color 85.6583, 93.2284, 68.7385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

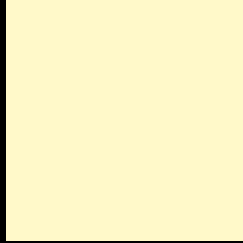
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6583, 93.2284, 68.7385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

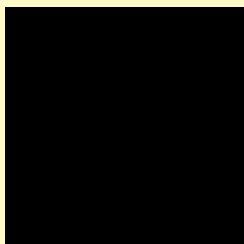
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.6583, 93.2284, 68.7385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.6583, 93.2284, 68.7385.



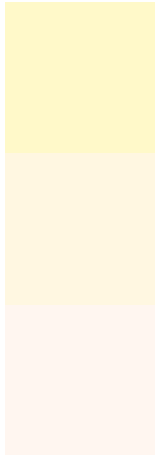
This preview shows how white text looks on a background with the XYZ color 85.6583, 93.2284,



# 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

85.6583, 93.2284, 68.7385

### Protanopia

88.0914, 93.2178, 84.5841

### Deuteranopia

89.9239, 93.4628, 95.7387



## Tritanopia

91.4801, 93.1171, 106.9178

# Trichromacy



## Original Color

85.6583, 93.2284, 68.7385

## Protanomaly

87.2021, 93.3527, 78.3886

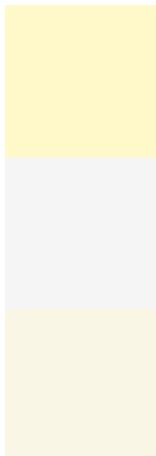
## Deuteranomaly

88.2282, 93.2725, 85.3048

## Tritanomaly

89.1912, 93.1697, 91.8799

# Monochromacy



## Original Color

85.6583, 93.2284, 68.7385

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.1655, 91.7084, 87.2888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6583, 93.2284, 68.7385 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6583, 93.2284, 68.7385 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, 201) }
```



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

```
.border{ border-color:rgb(255, 249, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6583, 93.2284, 68.7385 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
249, 201) }
```

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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