

# Converting Colors

XYZ(115.5016, 155.9059,  
83.0816)

Have a look what the booklet for  
XYZ(115.5016, 155.9059, 83.0816)  
contains.

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# **Color**

**XYZ(85.3803, 95.7992,  
73.0225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFCF
RGB	247, 255, 207
RGB Percent	97%, 100%, 81%
CMY	0.0314, 0.0000, 0.1882
CMYK	0.03, 0.00, 0.19, 0.00
HSL	70°, 100%, 91%
HSV	70°, 19%, 100%
XYZ	85.3803, 95.7992, 73.0225
YIQ	247.1360, 10.6400, -16.6240

# Conversions

## Conversions Part 2

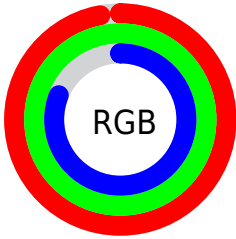
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 215
Decimal	16252879
CIE <sub>Lab</sub>	98.35, -10.46, 22.10
CIE <sub>LCh</sub>	98, 24.446, 115.329
Yxy	95.7992, 0.3359, 0.3769
Android (android.graphics.Color)	4294442959 (0xFFFF7FFCF)
<b>YUV</b>	247.1360, -19.7870, -0.1193
Hunter-Lab	97.8771, -15.5754, 24.2798

# Details

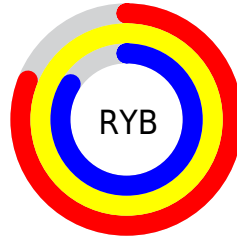
The XYZ color **85.3803, 95.7992, 73.0225** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.3880, 66.2939, 103.7993**, and the grayscale version is **88.6678, 93.2854, 101.5878**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0968, 53.6023, 37.5698** is the 20% darker color. If you saturate the color by 10%, you get **81.0284, 93.8873, 57.8380**, and if you desaturate by 10%, it is **90.2709, 97.9306, 90.8631**.

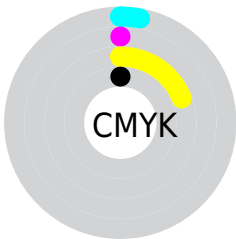
# Distribution



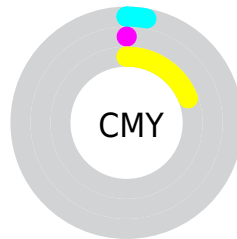
- Red (97%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3803, 95.7992, 73.0225 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 85.3803, 95.7992, 73.0225 by changing the saturation by 10% instead.




 85.3803, 95.7992,  
73.0225

 85.3803, 95.7992,  
73.0225


501.3504,  
546.7204, 490.1657

 64.4792, 72.8003,  
53.5024


139.8157,  
155.3683, 125.2304

 47.3020, 53.8127,  
37.8135


174.0807,  
192.7073, 158.7552

 33.4834, 38.4519,  
25.5373


213.5310,  
235.5951, 197.7855

 22.6581, 26.3336,  
16.2552

258.5321,  
284.4161, 242.7396

 14.4605, 17.0734,  
9.5486

309.4492,  
339.5548, 294.0361

 8.5255, 10.2868,  
4.9990

366.6477,

 4.4876, 5.5896,

401.3954, 352.0936

2.1880

430.4930,  
470.3225, 417.3306

■ 1.9815, 2.5972,  
0.6674

■ 0.6236, 0.9252,  
0.0000

■ 85.3803, 95.7992,  
73.0225

■ 85.3803, 95.7992,  
73.0225

■ 81.0284, 93.8873,  
57.8380

■ 90.2709, 97.9306,  
90.8631

■ 77.1894, 92.1844,  
45.1785

95.0500, 100.0000,  
108.9000

■ 73.8375, 90.6803,  
34.9076

■ 70.9437, 89.3633,  
26.8749

■ 68.4761, 88.2206,  
20.9125

■ 66.3980, 87.2375,  
16.8293

■ 64.6662, 86.3968,  
14.3983

■ 63.2180, 85.6732,  
13.2909

■ 63.0566, 85.5919,  
13.1975

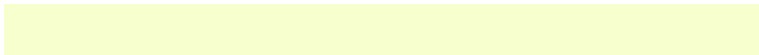
# Harmonies

## Analogous

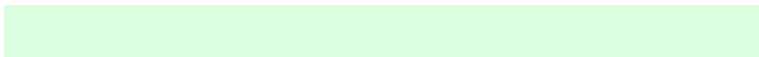
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1619, 95.7992, 70.2198



85.3803, 95.7992, 73.0225



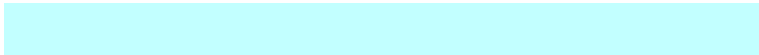
80.3603, 95.7992, 83.7574

# Triad

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



85.3803, 95.7992, 73.0225



83.5628, 95.7992, 139.5844



105.2356, 95.7992, 107.5005

# Complementary

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



85.3803, 95.7992, 73.0225



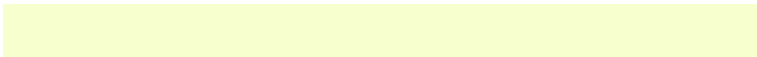
68.3880, 66.2939, 103.7993

# 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.



102.6572, 95.7992, 127.9742



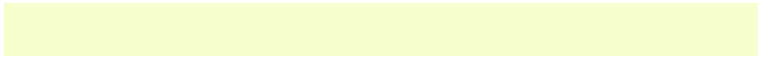
85.3803, 95.7992, 73.0225



89.9555, 95.7992, 147.9562

# Square

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



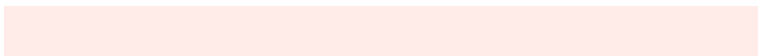
85.3803, 95.7992, 73.0225



79.3496, 95.7992, 121.8047



96.9742, 95.7992, 143.4563

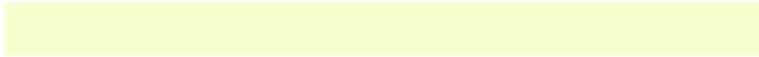


103.8569, 95.7992, 88.5745

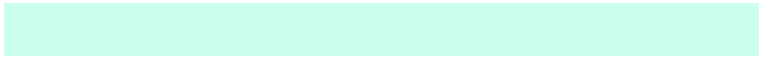


# Rectangle

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



85.3803, 95.7992, 73.0225



78.5668, 95.7992, 94.7878



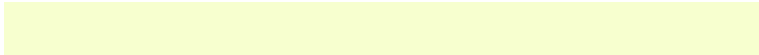
96.9742, 95.7992, 143.4563



104.7994, 95.7992, 114.4475

# Sweetspot

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



85.3808, 95.7994, 73.0239



91.7518, 98.5731, 96.3953



76.6004, 73.9604, 69.2713



19.5645, 21.0665, 20.3543



0.0000, 0.0000, 0.0000

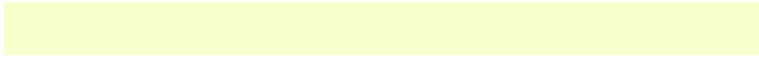


20.3446, 21.4041, 23.3091

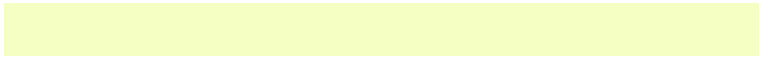


# Same Dimension

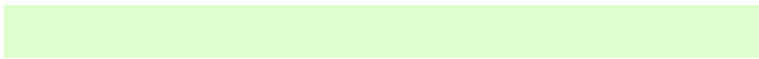
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3808, 95.7994, 73.0239



83.4987, 94.9746, 66.3647



77.7017, 91.8407, 72.6645



19.2466, 20.9285, 19.1695



33.0584, 44.7803, 6.9011



3.2941, 4.3990, 0.6755



# Inverse Universe

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



68.3880, 66.2939, 103.7993



63.3571, 59.9976, 102.8491



75.6906, 70.0585, 104.1411



17.2850, 17.5231, 22.7212



10.0232, 4.0776, 49.6934

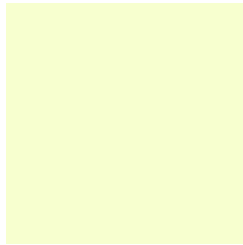


1.0514, 0.4359, 4.8420



# Previews

## White Background



This preview shows how the XYZ color 85.3803, 95.7992, 73.0225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

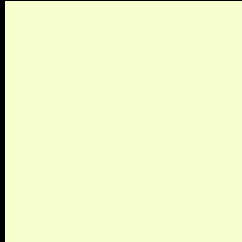
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3803, 95.7992, 73.0225 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 85.3803, 95.7992, 73.0225

## Background



This preview shows how black text looks on a background with the XYZ color 85.3803, 95.7992, 73.0225.



This preview shows how white text looks on a background with the XYZ color 85.3803, 95.7992,

73.0225.

# Color Blindness Simulation

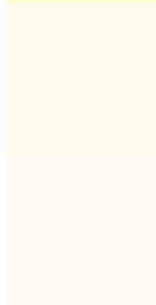
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.3803, 95.7992, 73.0225



### Protanopia

90.5659, 95.6873, 93.0530

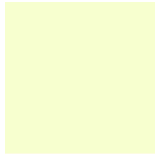
### Deuteranopia

91.7502, 95.6652, 100.8182

## **Tritanopia**

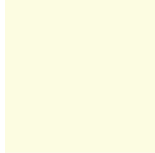
92.0706, 95.6668, 108.2206

# Trichromacy



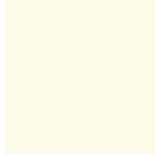
## Original Color

85.3803, 95.7992, 73.0225



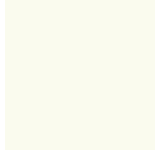
## Protanomaly

88.5459, 95.7525, 85.0494



## Deuteranomaly

89.2076, 95.5160, 90.0786



## Tritanomaly

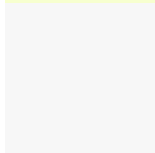
89.3541, 95.4914, 94.6111

# Monochromacy



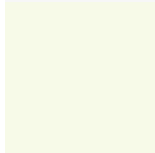
## Original Color

85.3803, 95.7992, 73.0225



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

87.1089, 93.9716, 89.8911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3803, 95.7992, 73.0225 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(247, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 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(247, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3803, 95.7992, 73.0225 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(247, 255, 207) }
```



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

```
.border{ border-color:rgb(247, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3803, 95.7992, 73.0225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 207) }
```

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

```
.background{ background-color: rgb(247,  
255, 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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