

# Converting Colors

XYZ(85.1946, 90.6580, 73.6191)

Have a look what the booklet for  
XYZ(85.1946, 90.6580, 73.6191)  
contains.

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# Color

**XYZ(85.0993, 90.5648,  
73.3171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4D1
RGB	255, 244, 209
RGB Percent	100%, 96%, 82%
CMY	0.0000, 0.0431, 0.1804
CMYK	0.00, 0.04, 0.18, 0.00
HSL	46°, 100%, 91%
HSV	46°, 18%, 100%
XYZ	85.0993, 90.5648, 73.3171
YIQ	243.2990, 17.7910, -8.5530

# Conversions

## Conversions Part 2

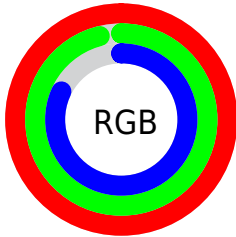
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 255, 209
Decimal	16774353
CIE <sub>Lab</sub>	96.23, -1.84, 18.20
CIE <sub>LCh</sub>	96, 18.295, 95.780
Yxy	90.5648, 0.3418, 0.3637
Android (android.graphics.Color)	4294964433 (0xFFFFF4D1)
YUV	243.2990, -16.9094, 10.2618
Hunter-Lab	95.1655, -6.9207, 20.9379

# Details

The XYZ color **85.0993, 90.5648, 73.3171** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.9371, 71.9597, 104.8113**, and the grayscale version is **85.5519, 90.0073, 98.0179**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1047, 50.3053, 37.7991** is the 20% darker color. If you saturate the color by 10%, you get **80.3884, 85.7975, 57.3978**, and if you desaturate by 10%, it is **90.3805, 95.6633, 91.9218**.

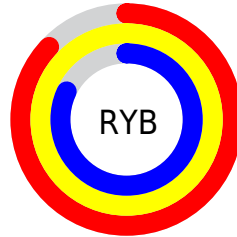
# Distribution



Red (100%)

Green (96%)

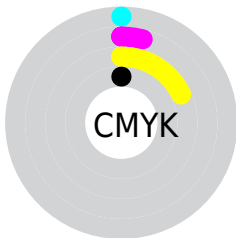
Blue (82%)



Red (87%)

Yellow (100%)

Blue (82%)

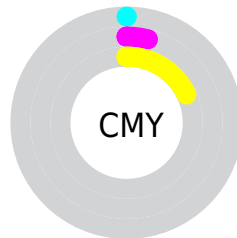


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0993, 90.5648, 73.3171 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 85.0993, 90.5648, 73.3171 by changing the saturation by 10% instead.




 85.0993, 90.5648,  
73.3171

 85.0993, 90.5648,  
73.3171


500.4353,  
529.8664, 491.2133

 64.2462, 68.4492,  
53.7419


139.4252,  
148.1227, 125.6524

 47.1125, 50.2633,  
38.0036


173.6287,  
184.3337, 159.2495

 33.3329, 35.6226,  
25.6836

213.0131,  
226.0120, 198.3577

 22.5421, 24.1429,  
16.3635

257.9437,  
273.5420, 243.3954

 14.3746, 15.4396,  
9.6246

308.7859,  
327.3080, 294.7814

 8.4651, 9.1285,  
5.0484

365.9050,

 4.4483, 4.8251,

387.6945, 352.9339

2.2165

429.6663,  
455.0858, 418.2718

■ 1.9587, 2.1450,  
0.6838

■ 0.6106, 0.6898,  
0.0000

■ 85.0993, 90.5648,  
73.3171

■ 85.0993, 90.5648,  
73.3171

■ 80.3884, 85.7975,  
57.3978

■ 90.3805, 95.6633,  
91.9218

■ 76.2169, 81.3390,  
44.0315

95.0500, 100.0000,  
108.9000

■ 72.5602, 77.1816,  
33.0835

■ 69.3896, 73.3129,  
24.4040

■ 66.6727, 69.7189,  
17.8267

■ 64.3731, 66.3841,  
13.1622

■ 62.4478, 63.2902,  
10.1871

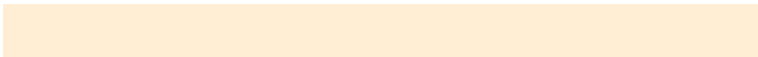
■ 60.8385, 60.4131,  
8.5980

■ 60.5438, 59.8676,  
8.3646

# Harmonies

## Analogous

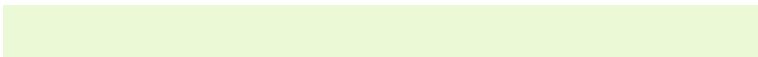
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1482, 90.5648, 75.2376



85.0993, 90.5648, 73.3171



80.4943, 90.5648, 77.6142

# Triad

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



85.0993, 90.5648, 73.3171



78.3965, 90.5648, 115.8840



95.2967, 90.5648, 110.5352

# Complementary

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



85.0993, 90.5648, 73.3171



69.9371, 71.9597, 104.8113

# 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.



91.9165, 90.5648, 123.0863



85.0993, 90.5648, 73.3171



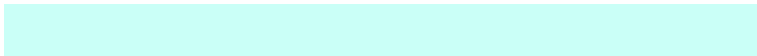
82.1343, 90.5648, 126.3808

# Square

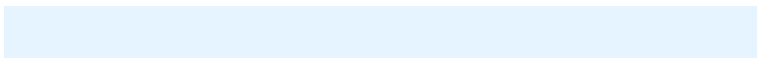
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0993, 90.5648, 73.3171



76.7233, 90.5648, 101.4534



87.0664, 90.5648, 129.1378

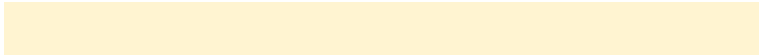


96.1662, 90.5648, 95.8195

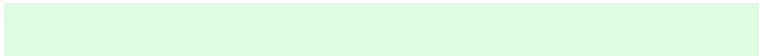


# Rectangle

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



85.0993, 90.5648, 73.3171



78.2533, 90.5648, 83.7014



87.0664, 90.5648, 129.1378



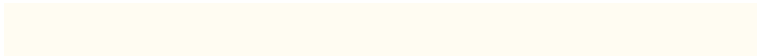
94.4101, 90.5648, 115.1907

# Sweetspot

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



85.1014, 90.5687, 73.3190



92.1001, 97.2769, 98.1235



77.0257, 72.0558, 77.9073



19.6271, 20.7408, 20.6905



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

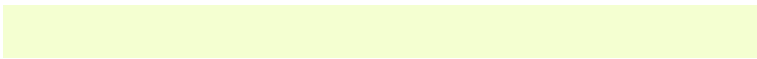
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1014, 90.5687, 73.3190



83.1680, 88.6405, 66.6979



84.4040, 95.2674, 74.2627



19.1717, 20.3116, 19.0544



31.7570, 31.5252, 4.4112



3.1762, 3.2378, 0.4575



# Inverse Universe

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



69.9371, 71.9597, 104.8113



65.1972, 66.5896, 104.0246



70.5181, 68.1159, 104.0387



17.3554, 18.0825, 22.8255



10.3972, 5.7040, 49.9876



1.0925, 0.7157, 4.8938



# Previews

## White Background



This preview shows how the XYZ color 85.0993, 90.5648, 73.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

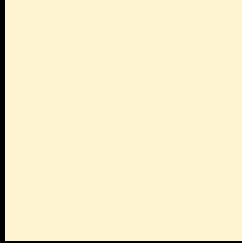
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.0993, 90.5648, 73.3171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

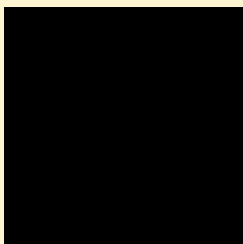
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.0993, 90.5648, 73.3171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.0993, 90.5648, 73.3171.



This preview shows how white text looks on a background with the XYZ color 85.0993, 90.5648,

73.3171.

# 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

85.0993, 90.5648, 73.3171

### Protanopia

85.7283, 90.8164, 76.6293

### Deuteranopia

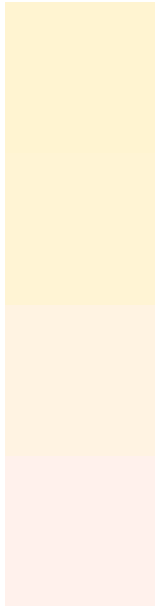
87.9875, 90.7624, 91.4787



## Tritanopia

89.9708, 90.6085, 104.8427

# Trichromacy



## Original Color

85.0993, 90.5648, 73.3171

## Protanomaly

85.4743, 90.7148, 75.2921

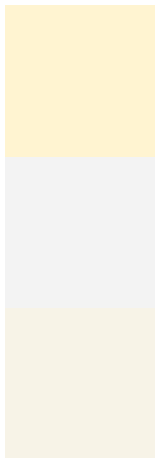
## Deuteranomaly

87.0181, 90.8522, 84.9014

## Tritanomaly

87.8356, 90.2267, 92.1429

# Monochromacy



## Original Color

85.0993, 90.5648, 73.3171

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.8322, 89.6449, 88.4334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.0993, 90.5648, 73.3171 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, 244, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 209)  
}
```

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, 244, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 85.0993, 90.5648, 73.3171 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, 244, 209) }
```



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

```
.border{ border-color:rgb(255, 244, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.0993, 90.5648, 73.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 209) }
```

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

```
.background{ background-color: rgb(255,  
244, 209) }
```

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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