

# Converting Colors

XYZ(84.7456, 92.9939, 73.9584)

Have a look what the booklet for  
XYZ(84.7456, 92.9939, 73.9584)  
contains.

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# **Color**

**XYZ(84.7612, 93.1144,  
73.8271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FAD1
RGB	249, 250, 209
RGB Percent	98%, 98%, 82%
CMY	0.0235, 0.0196, 0.1804
CMYK	0.00, 0.00, 0.16, 0.02
HSL	61°, 80%, 90%
HSV	61°, 16%, 98%
XYZ	84.7612, 93.1144, 73.8271
YIQ	245.0270, 12.5650, -12.9630

# Conversions

## Conversions Part 2

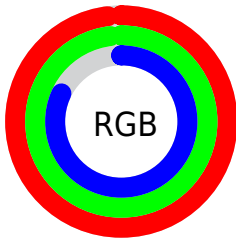
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 250, 210
Decimal	16382673
CIE <sub>Lab</sub>	97.27, -6.98, 19.60
CIE <sub>LCh</sub>	97, 20.802, 109.604
Yxy	93.1144, 0.3368, 0.3699
Android (android.graphics.Color)	4294572753 (0xFFF9FAD1)
YUV	245.0270, -17.7613, 3.4843
Hunter-Lab	96.4958, -12.0746, 22.1854

# Details

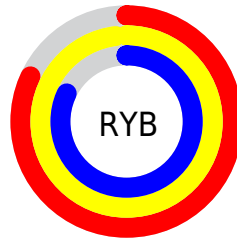
The XYZ color **84.7612, 93.1144, 73.8271** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.6377, 66.2072, 99.7146**, and the grayscale version is **86.9462, 91.4742, 99.6154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8627, 52.1231, 38.1627** is the 20% darker color. If you saturate the color by 10%, you get **81.6886, 91.8633, 58.7741**, and if you desaturate by 10%, it is **88.3253, 94.5684, 91.4422**.

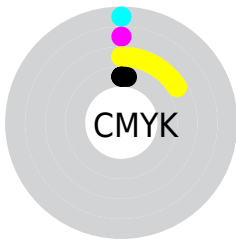
# Distribution



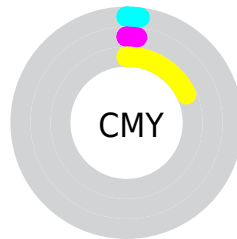
- Red (98%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7612, 93.1144, 73.8271 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 84.7612, 93.1144, 73.8271 by changing the saturation by 10% instead.




 84.7612, 93.1144,  
73.8271

 84.7612, 93.1144,  
73.8271


499.3331,  
538.1107, 493.0239

 63.9659, 70.5666,  
54.1566

138.9552,  
151.6570, 126.3825

 46.8846, 51.9886,  
38.3329


173.0847,  
188.4206, 160.1044

 33.1520, 36.9960,  
25.9373


212.3896,  
230.6915, 199.3472

 22.4027, 25.2044,  
16.5514

257.2353,  
278.8542, 244.5295

 14.2714, 16.2294,  
9.7566

307.9872,  
333.2931, 296.0698

 8.3926, 9.6866,  
5.1344

365.0105,

 4.4011, 5.1917,

394.3925, 354.3866

2.2662

428.6707,  
462.5369, 419.8984

■ 1.9315, 2.3602,  
0.7122

■ 0.5950, 0.8053,  
0.0000

■ 84.7612, 93.1144,  
73.8271

■ 84.7612, 93.1144,  
73.8271

■ 81.6886, 91.8633,  
58.7741

■ 88.3253, 94.5684,  
91.4422

■ 79.0774, 90.7937,  
46.1584

■ 91.7432, 95.9609,  
108.2947


■ 76.9057, 89.9000,  
35.8534


■ 91.9634, 96.0745,  
108.3050


■ 75.1469, 89.1715,  
27.7190


■ 92.1844, 96.1884,  
108.3153


 73.7715, 88.5965,  
21.6000


 92.4061, 96.3027,  
108.3257


 72.7461, 88.1616,  
17.3202


 92.6285, 96.4173,  
108.3361


 72.0316, 87.8510,  
14.6737

 92.8516, 96.5324,  
108.3465

 71.5791, 87.6454,  
13.4030

 93.0754, 96.6478,  
108.3570

 71.4532, 87.5862,  
13.1398

 93.3000, 96.7635,  
108.3675

# Harmonies

## Analogous

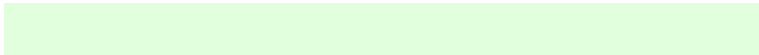
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5595, 93.1144, 72.7430



84.7612, 93.1144, 73.8271



80.1641, 93.1144, 81.8066

# Triad

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



84.7612, 93.1144, 73.8271



81.3721, 93.1144, 128.1134



100.1013, 93.1144, 107.3450

# Complementary

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



84.7612, 93.1144, 73.8271



66.6377, 66.2072, 99.7146

# Split Complementary

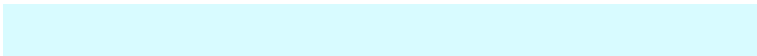
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3998, 93.1144, 123.8634



84.7612, 93.1144, 73.8271



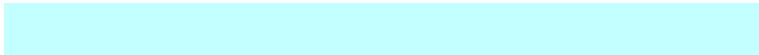
86.4768, 93.1144, 136.7048

# Square

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



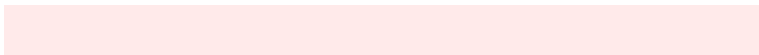
84.7612, 93.1144, 73.8271



78.2683, 93.1144, 112.6481



92.3522, 93.1144, 135.0687



99.5920, 93.1144, 90.9003

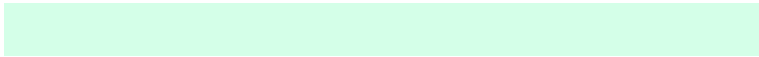


# Rectangle

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



84.7612, 93.1144, 73.8271



78.3176, 93.1144, 90.5092



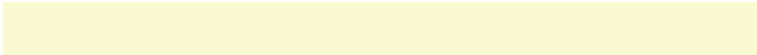
92.3522, 93.1144, 135.0687



99.5341, 93.1144, 113.1005

# Sweetspot

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



84.7637, 93.1185, 73.8291



92.9497, 99.1466, 98.4396



73.9044, 70.8667, 70.1064



19.8342, 21.1967, 20.7676



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

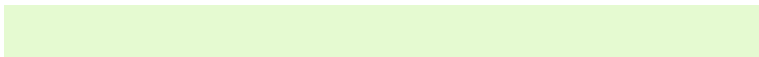
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7637, 93.1185, 73.8291



87.4406, 96.9033, 71.2223



77.9523, 89.6071, 73.5103



18.6828, 20.1678, 18.3705



37.9181, 46.4658, 6.9703



3.5248, 4.3102, 0.6462



# Inverse Universe

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



66.6377, 66.2072, 99.7146



64.8888, 63.4205, 103.4291



72.7506, 69.3585, 100.0007



16.3224, 16.6633, 21.7414



9.2107, 3.6910, 48.2005

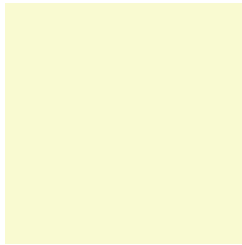


0.8665, 0.3488, 4.4648



# Previews

## White Background



This preview shows how the XYZ color 84.7612, 93.1144, 73.8271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

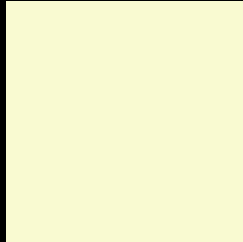
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7612, 93.1144, 73.8271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

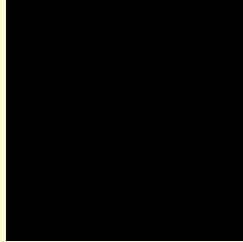
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.7612, 93.1144, 73.8271**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7612, 93.1144, 73.8271.



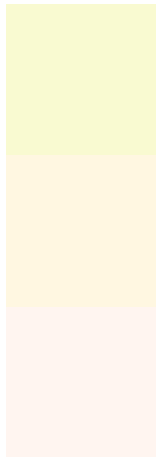
This preview shows how white text looks on a background with the XYZ color 84.7612, 93.1144,



# 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

84.7612, 93.1144, 73.8271

### Protanopia

88.0914, 93.2178, 84.5841

### Deuteranopia

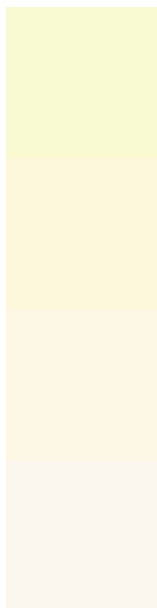
89.6206, 92.8561, 95.6376



## Tritanopia

90.8473, 93.2203, 107.8129

# Trichromacy



## Original Color

84.7612, 93.1144, 73.8271

## Protanomaly

86.8616, 93.1319, 80.4160

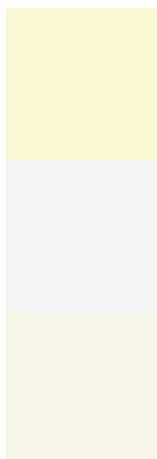
## Deuteranomaly

87.9116, 93.0613, 87.4579

## Tritanomaly

88.4770, 93.2038, 94.2158

# Monochromacy



## Original Color

84.7612, 93.1144, 73.8271

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.8323, 91.9406, 89.5664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7612, 93.1144, 73.8271 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(249, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(249, 250, 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(249, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 250, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7612, 93.1144, 73.8271 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(249, 250, 209) }
```



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

```
.border{ border-color:rgb(249, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(249, 250,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7612, 93.1144, 73.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 250, 209) }
```

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

```
.background{ background-color: rgb(249,  
250, 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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