

# Converting Colors

XYZ(87.1481, 94.9071, 73.2458)

Have a look what the booklet for  
XYZ(87.1481, 94.9071, 73.2458)  
contains.

<b>XYZ(87.1223, 94.8084, 73.3825)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(87.1223, 94.8084,  
73.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBD0
RGB	255, 251, 208
RGB Percent	100%, 98%, 82%
CMY	0.0000, 0.0157, 0.1843
CMYK	0.00, 0.02, 0.18, 0.00
HSL	55°, 100%, 91%
HSV	55°, 18%, 100%
XYZ	87.1223, 94.8084, 73.3825
YIQ	247.2940, 16.1870, -12.5250

# Conversions

## Conversions Part 2

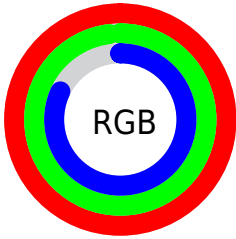
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 255, 208
Decimal	16776144
CIE Lab	97.96, -5.49, 21.13
CIE LCh	98, 21.829, 104.578
Yxy	94.8084, 0.3412, 0.3713
Android (android.graphics.Color)	4294966224 (0xFFFFFBD0)
YUV	247.2940, -19.3719, 6.7582
Hunter-Lab	97.3696, -10.6824, 23.4749

# Details

The XYZ color **87.1223, 94.8084, 73.3825** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.6054, 67.7150, 104.1149**, and the grayscale version is **88.7928, 93.4169, 101.7310**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5536, 53.3359, 37.8728** is the 20% darker color. If you saturate the color by 10%, you get **83.5616, 92.3104, 57.9420**, and if you desaturate by 10%, it is **91.1998, 97.5319, 91.4861**.

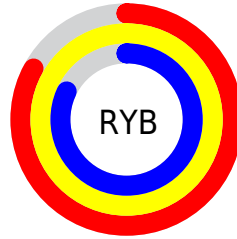
# Distribution



Red (100%)

Green (98%)

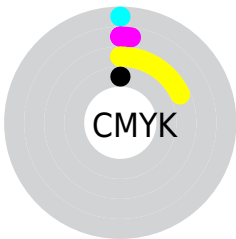
Blue (82%)



Red (83%)

Yellow (100%)

Blue (82%)

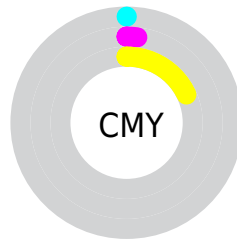


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1223, 94.8084, 73.3825 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 87.1223, 94.8084, 73.3825 by changing the saturation by 10% instead.




 87.1223, 94.8084,  
73.3825

 87.1223, 94.8084,  
73.3825


507.0032,  
543.5514, 491.4457

 65.9248, 71.9755,  
53.7951


142.2334,  
153.9999, 125.7460

 48.4788, 53.1387,  
38.0458


176.8777,  
191.1273, 159.3592

 34.4191, 37.9135,  
25.7161


216.7349,  
233.7883, 198.4846

 23.3801, 25.9156,  
16.3875

262.1705,  
282.3673, 243.5410

 14.9967, 16.7605,  
9.6415

313.5498,  
337.2487, 294.9467

 8.9034, 10.0639,  
5.0594

371.2381,

 4.7348, 5.4413,

398.8169, 353.1204

2.2228

435.6007,  
467.4564, 418.4805

■ 2.1257, 2.5085,  
0.6875

■ 0.7031, 0.8809,  
0.0000

■ 87.1223, 94.8084,  
73.3825

■ 87.1223, 94.8084,  
73.3825

■ 83.5616, 92.3104,  
57.9420

■ 91.1998, 97.5319,  
91.4861

■ 80.4867, 90.0159,  
45.0319

95.0500, 100.0000,  
108.9000

■ 77.8739, 87.9185,  
34.5171

■ 75.6947, 86.0069,  
26.2477

■ 73.9174, 84.2682,  
20.0566

■ 72.5057, 82.6879,  
15.7536

■ 71.4170, 81.2491,  
13.1138

■ 70.5913, 79.9275,  
11.8219

■ 70.4728, 79.7256,  
11.6743

# Harmonies

## Analogous

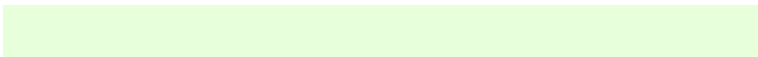
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3453, 94.8084, 73.4870



87.1223, 94.8084, 73.3825



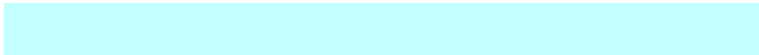
81.9403, 94.8084, 80.6101

# Triad

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



87.1223, 94.8084, 73.3825



81.8229, 94.8084, 129.3125



102.1974, 94.8084, 112.6532

# Complementary

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



87.1223, 94.8084, 73.3825



67.6054, 67.7150, 104.1149

# Split Complementary

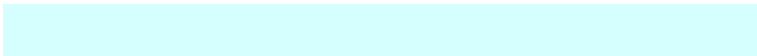
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8108, 94.8084, 129.7295



87.1223, 94.8084, 73.3825



86.9553, 94.8084, 140.0784

# Square

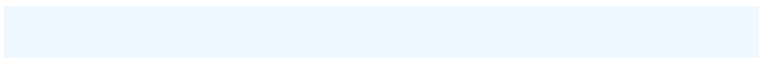
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1223, 94.8084, 73.3825



78.9781, 94.8084, 112.1350



93.1704, 94.8084, 140.2393



102.2472, 94.8084, 94.8098

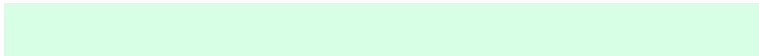


# Rectangle

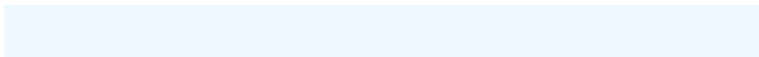
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1223, 94.8084, 73.3825



79.6914, 94.8084, 89.1529



93.1704, 94.8084, 140.2393



101.4048, 94.8084, 118.7166

# Sweetspot

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



87.1246, 94.8125, 73.3845



92.2703, 98.2267, 96.3011



75.7688, 71.1617, 72.4947



19.6874, 20.9843, 20.3320



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.



87.1246, 94.8125, 73.3845



85.7952, 93.8949, 67.5736



81.8042, 93.9414, 73.4968



19.4214, 20.8110, 19.1376



36.8785, 41.7682, 6.1184



3.6280, 4.1414, 0.6082



# Inverse Universe

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



67.6054, 67.7150, 104.1149



63.0905, 62.3761, 103.3223



72.2223, 68.6313, 104.0484



17.1270, 17.6257, 22.7494



9.6206, 4.1507, 49.7287

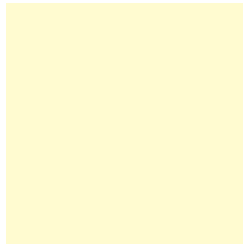


0.9771, 0.4849, 4.8554



# Previews

## White Background



This preview shows how the XYZ color 87.1223, 94.8084, 73.3825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

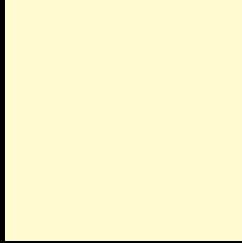
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1223, 94.8084, 73.3825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

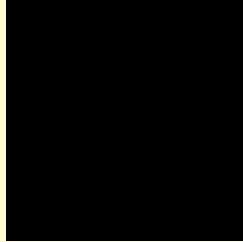
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.1223, 94.8084, 73.3825**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.1223, 94.8084, 73.3825.



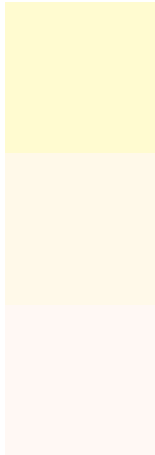
This preview shows how white text looks on a background with the XYZ color 87.1223, 94.8084,

73.3825.

# 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

87.1223, 94.8084, 73.3825

### Protanopia

89.8237, 94.8946, 90.6731

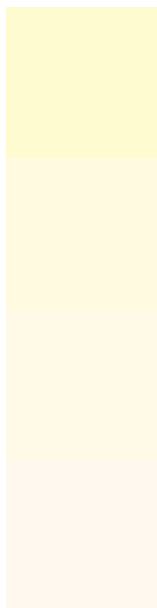
### Deuteranopia

91.1365, 94.9265, 99.1072

## **Tritanopia**

92.5508, 95.0015, 108.0669

# Trichromacy



## Original Color

87.1223, 94.8084, 73.3825

## Protanomaly

88.8802, 95.0130, 84.1759

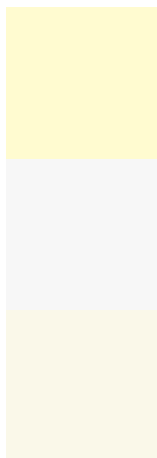
## Deuteranomaly

89.5395, 94.7809, 89.1766

## Tritanomaly

90.2400, 94.5678, 94.3862

# Monochromacy



## Original Color

87.1223, 94.8084, 73.3825

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.6997, 93.3420, 90.4853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1223, 94.8084, 73.3825 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, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 208)  
}
```

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, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1223, 94.8084, 73.3825 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, 251, 208) }
```



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

```
.border{ border-color:rgb(255, 251, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1223, 94.8084, 73.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 208) }
```

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

```
.background{ background-color: rgb(255,  
251, 208) }
```

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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