

# Converting Colors

XYZ(87.2972, 96.8612, 69.7765)

Have a look what the booklet for  
XYZ(87.2972, 96.8612, 69.7765)  
contains.

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# Color

**XYZ(87.2937, 96.8551,  
69.9711)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFFCA
RGB	254, 255, 202
RGB Percent	100%, 100%, 79%
CMY	0.0039, 0.0000, 0.2078
CMYK	0.00, 0.00, 0.21, 0.00
HSL	61°, 100%, 90%
HSV	61°, 21%, 100%
XYZ	87.2937, 96.8551, 69.9711
YIQ	248.6590, 16.4170, -16.6950

# Conversions

## Conversions Part 2

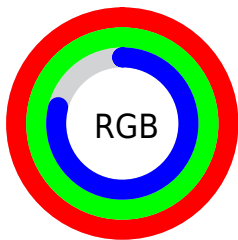
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 255, 203
Decimal	16711626
CIE Lab	98.77, -8.69, 25.29
CIE LCh	99, 26.741, 108.954
Yxy	96.8551, 0.3435, 0.3811
Android (android.graphics.Color)	4294901706 (0xFFFEFFCA)
YUV	248.6590, -23.0029, 4.6841
Hunter-Lab	98.4150, -13.8974, 26.7365

# Details

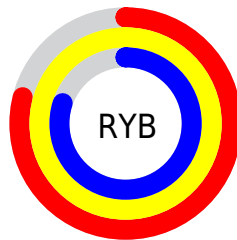
The XYZ color **87.2937, 96.8551, 69.9711** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.8000, 62.1588, 103.2430**, and the grayscale version is **89.9350, 94.6187, 103.0397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5653, 54.3966, 35.9569** is the 20% darker color. If you saturate the color by 10%, you get **84.3437, 95.6548, 55.3531**, and if you desaturate by 10%, it is **90.7440, 98.2556, 87.2194**.

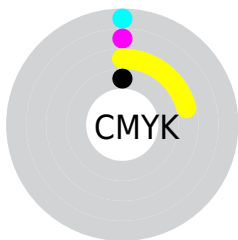
# Distribution



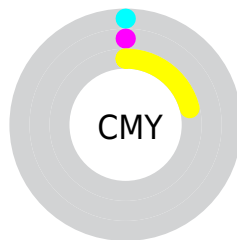
- Red (100%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2937, 96.8551, 69.9711 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 87.2937, 96.8551, 69.9711 by changing the saturation by 10% instead.




 87.2937, 96.8551,  
69.9711

 87.2937, 96.8551,  
69.9711


507.5576,  
550.0870, 479.2349

 66.0671, 73.6799,  
51.0263


142.4710,  
156.8250, 120.8483

 48.5948, 54.5321,  
35.8527


177.1524,  
194.3886, 153.6177

 34.5114, 39.0272,  
24.0316


217.0495,  
237.5170, 191.8325

 23.4515, 26.7809,  
15.1447

262.5277,  
286.5948, 235.9111

 15.0497, 17.4088,  
8.7732

313.9522,  
342.0063, 286.2721

 8.9409, 10.5264,  
4.4988

371.6884,

 4.7594, 5.7493,

404.1359, 343.3341

1.9028

436.1018,  
473.3680, 407.5155

■ 2.1401, 2.6933,  
0.4945

■ 0.7109, 0.9738,  
0.0000

■ 87.2937, 96.8551,  
69.9711

■ 87.2937, 96.8551,  
69.9711

■ 84.3437, 95.6548,  
55.3531

■ 90.7440, 98.2556,  
87.2194

■ 81.8682, 94.6444,  
43.2323

94.7161, 99.8648,  
107.2140

■ 79.8411, 93.8133,  
33.4703

95.0500, 100.0000,  
108.9000

■ 78.2332, 93.1500,  
25.9135

■ 77.0118, 92.6413,  
20.3902

■ 76.1396, 92.2724,  
16.7033

■ 75.5718, 92.0253,  
14.6168

■ 75.2529, 91.8793,  
13.7682

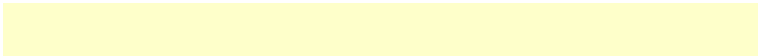
# Harmonies

## Analogous

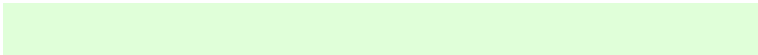
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9479, 96.8551, 68.8167



87.2937, 96.8551, 69.9711



81.2520, 96.8551, 79.8015

# Triad

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



87.2937, 96.8551, 69.9711



82.5988, 96.8551, 141.1004



107.5006, 96.8551, 113.8642

# Complementary

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



87.2937, 96.8551, 69.9711



63.8000, 62.1588, 103.2430

# 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.



103.7817, 96.8551, 136.0986



87.2937, 96.8551, 69.9711



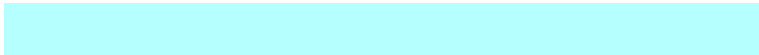
89.2271, 96.8551, 153.2316

# Square

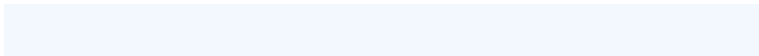
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2937, 96.8551, 69.9711



78.6485, 96.8551, 119.9638



96.9923, 96.8551, 151.2823



106.9109, 96.8551, 92.1727

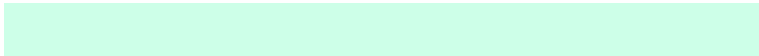


# Rectangle

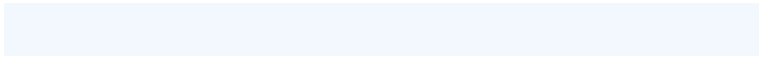
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2937, 96.8551, 69.9711



78.8165, 96.8551, 90.8381



96.9923, 96.8551, 151.2823



106.7050, 96.8551, 121.5696

# Sweetspot

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



87.2942, 96.8553, 69.9725



92.5776, 98.9988, 96.4339



73.2298, 68.1821, 65.1793



19.7603, 21.1675, 20.3635



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

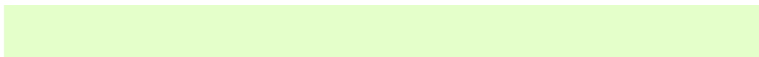
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2942, 96.8553, 69.9725



85.9906, 96.3253, 63.4950



78.2947, 92.2159, 69.5513



19.5254, 21.0723, 19.1826



39.3367, 48.0169, 7.1949



3.8405, 4.6806, 0.7010



# Inverse Universe

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



63.8000, 62.1588, 103.2430



58.5883, 55.8563, 102.3012



71.6069, 66.1834, 103.6083



17.0347, 17.3941, 22.7095



9.4767, 3.7959, 49.6678

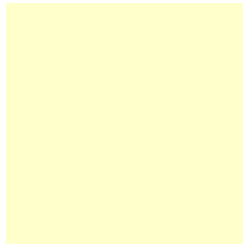


0.9334, 0.3751, 4.8365



# Previews

## White Background



This preview shows how the XYZ color 87.2937, 96.8551, 69.9711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

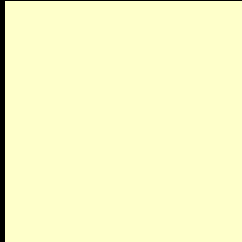
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.2937, 96.8551, 69.9711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

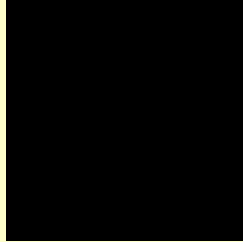
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.2937, 96.8551, 69.9711**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.2937, 96.8551, 69.9711.



This preview shows how white text looks on a background with the XYZ color 87.2937, 96.8551,

69.9711.

# 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

87.2937, 96.8551, 69.9711



### Protanopia

91.6144, 96.6052, 97.0372

### Deuteranopia

92.6805, 97.0317, 102.6511

## **Tritanopia**

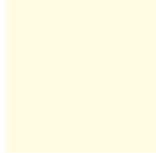
93.1087, 96.6620, 108.3580

# Trichromacy



## Original Color

87.2937, 96.8551, 69.9711



## Protanomaly

89.9155, 96.4269, 86.5462



## Deuteranomaly

90.4742, 96.6503, 89.4882



## Tritanomaly

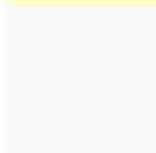
90.8238, 96.7478, 93.2441

# Monochromacy



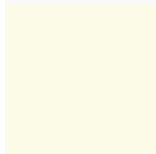
## Original Color

87.2937, 96.8551, 69.9711



## Achromatopsia

90.0415, 94.7307, 103.1617



## Achromatomaly

88.8463, 95.3298, 90.0617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2937, 96.8551, 69.9711 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(254, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 202)  
}
```

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(254, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2937, 96.8551, 69.9711 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(254, 255, 202) }
```



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

```
.border{ border-color:rgb(254, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(254, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2937, 96.8551, 69.9711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 202) }
```

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

```
.background{ background-color: rgb(254,  
255, 202) }
```

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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