

# Converting Colors

XYZ(87.2450, 96.3169, 69.5290)

Have a look what the booklet for  
XYZ(87.2450, 96.3169, 69.5290)  
contains.

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# Color

**XYZ(87.2244, 96.3607,  
69.2606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFE C9
RGB	255, 254, 201
RGB Percent	100%, 100%, 79%
CMY	0.0000, 0.0039, 0.2118
CMYK	0.00, 0.00, 0.21, 0.00
HSL	59°, 100%, 89%
HSV	59°, 21%, 100%
XYZ	87.2244, 96.3607, 69.2606
YIQ	248.2570, 17.6090, -16.2710

# Conversions

## Conversions Part 2

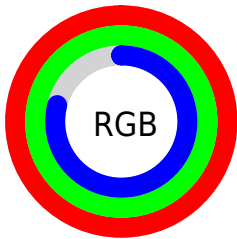
Format	Color
<b>R<sub>YB</sub></b>	202, 255, 201
Decimal	16776905
CIE Lab	98.58, -7.97, 25.54
CIE LCh	99, 26.755, 107.333
Yxy	96.3607, 0.3450, 0.3811
Android (android.graphics.Color)	4294966985 (0xFFFFFEC9)
YUV	248.2570, -23.2977, 5.9136
Hunter-Lab	98.1635, -13.1777, 26.8816

# Details

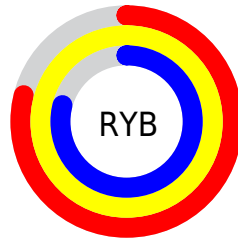
The XYZ color **87.2244, 96.3607, 69.2606** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.2575, 61.8768, 103.2171**, and the grayscale version is **89.6100, 94.2767, 102.6673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5214, 54.0449, 35.4781** is the 20% darker color. If you saturate the color by 10%, you get **84.3225, 94.9652, 54.7024**, and if you desaturate by 10%, it is **90.6295, 97.9645, 86.4457**.

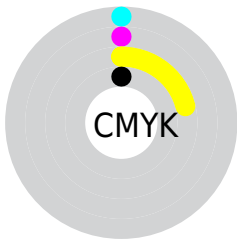
# Distribution



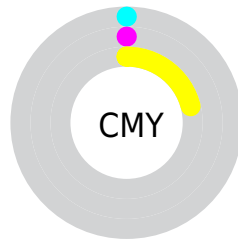
- Red (100%)
- Green (100%)
- Blue (79%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2244, 96.3607, 69.2606 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 87.2244, 96.3607, 69.2606 by changing the saturation by 10% instead.




 87.2244, 96.3607,  
69.2606

 87.2244, 96.3607,  
69.2606


507.3335,  
548.5120, 476.6684

 66.0096, 73.2680,  
50.4509


142.3749,  
156.1431, 119.8249

 48.5479, 54.1951,  
35.3981


177.0414,  
193.6017, 152.4166

 34.4740, 38.7577,  
23.6837


216.9224,  
236.6176, 190.4394

 23.4226, 26.5713,  
14.8891

262.3833,  
285.5753, 234.3118

 15.0283, 17.2515,  
8.5959

313.7895,  
340.8592, 284.4523

 8.9257, 10.4140,  
4.3853

371.5064,

 4.7495, 5.6743,

402.8537, 341.2796

1.8390

435.8992,  
471.9432, 405.2121

■ 2.1343, 2.6481,  
0.4535

■ 0.7077, 0.9509,  
0.0000

■ 87.2244, 96.3607,  
69.2606

■ 87.2244, 96.3607,  
69.2606

■ 84.3225, 94.9652,  
54.7024

■ 90.6295, 97.9645,  
86.4457

■ 81.8920, 93.7557,  
42.6356

■ 94.5534, 99.7732,  
106.3719

■ 79.9088, 92.7256,  
32.9219

■ 95.0500, 100.0000,  
108.9000

■ 78.3434, 91.8633,  
25.4072

■ 77.1633, 91.1556,  
19.9188

■ 76.3306, 90.5875,  
16.2586

■ 75.8002, 90.1409,  
14.1885

■ 75.5215, 89.8230,  
13.3572

# Harmonies

## Analogous

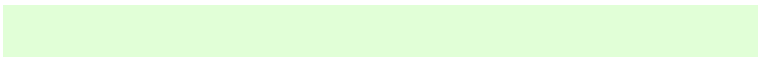
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8909, 96.3607, 68.5817



87.2244, 96.3607, 69.2606



81.0729, 96.3607, 78.5994

# Triad

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



87.2244, 96.3607, 69.2606



81.8656, 96.3607, 139.4921



106.8921, 96.3607, 114.5487

# Complementary

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



87.2244, 96.3607, 69.2606



63.2575, 61.8768, 103.2171

# 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.



102.9750, 96.3607, 136.5455



87.2244, 96.3607, 69.2606



88.3625, 96.3607, 152.2513

# Square

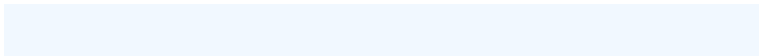
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2244, 96.3607, 69.2606



78.1008, 96.3607, 118.1406



96.0947, 96.3607, 151.1027



106.5447, 96.3607, 92.7252

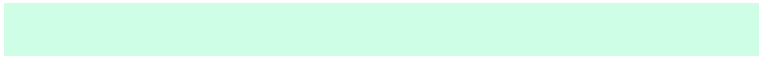


# Rectangle

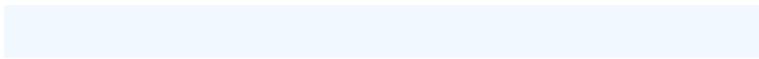
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2244, 96.3607, 69.2606



78.5276, 96.3607, 89.3345



96.0947, 96.3607, 151.1027



106.0216, 96.3607, 122.2212

# Sweetspot

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



87.2268, 96.3649, 69.2626



92.5939, 98.8740, 96.4090



72.8831, 67.3367, 65.5323



19.7642, 21.1379, 20.3576



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

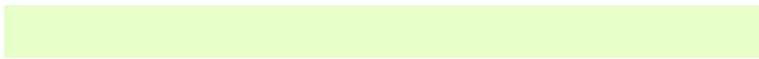
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2268, 96.3649, 69.2626



86.0585, 95.8065, 63.3913



78.8722, 92.5272, 68.9622



19.5309, 21.0300, 19.1741



39.4747, 46.9605, 6.9838



3.8523, 4.5900, 0.6829



# Inverse Universe

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



63.2575, 61.8768, 103.2171



58.5414, 56.2141, 102.3727



70.3643, 65.1956, 103.4832



17.0298, 17.4312, 22.7169



9.4697, 3.8490, 49.6784

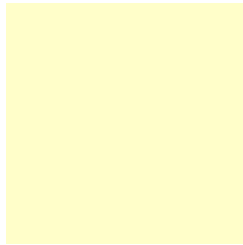


0.9310, 0.3928, 4.8400



# Previews

## White Background



This preview shows how the XYZ color 87.2244, 96.3607, 69.2606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

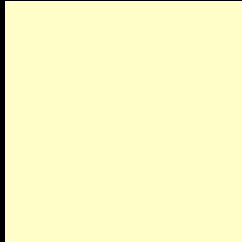
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.2244, 96.3607, 69.2606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

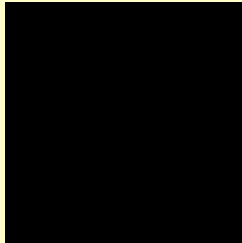
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.2244, 96.3607, 69.2606**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.2244, 96.3607, 69.2606.



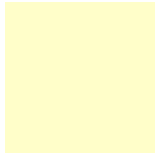
This preview shows how white text looks on a background with the XYZ color 87.2244, 96.3607,



# 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

87.2244, 96.3607, 69.2606



### Protanopia

91.3172, 96.4864, 95.4722

### Deuteranopia

92.2141, 96.3466, 101.7322

## **Tritanopia**

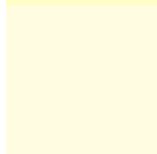
93.1657, 96.2314, 108.2719

# Trichromacy



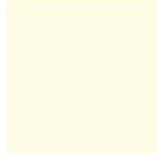
## Original Color

87.2244, 96.3607, 69.2606



## Protanomaly

89.6410, 96.3170, 85.1006



## Deuteranomaly

90.0201, 95.9675, 88.6419



## Tritanomaly

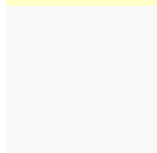
90.7326, 96.2525, 92.3937

# Monochromacy



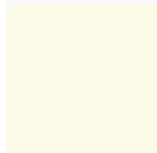
## Original Color

87.2244, 96.3607, 69.2606



## Achromatopsia

89.2221, 93.8686, 102.2229



## Achromatomaly

88.3931, 94.6500, 89.2118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2244, 96.3607, 69.2606 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, 254, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 201)  
}
```

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, 254, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2244, 96.3607, 69.2606 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, 254, 201) }
```



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

```
.border{ border-color:rgb(255, 254, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2244, 96.3607, 69.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 201) }
```

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

```
.background{ background-color: rgb(255,  
254, 201) }
```

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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