

# Converting Colors

XYZ(87.9037, 96.1538, 74.3131)

Have a look what the booklet for  
XYZ(87.9037, 96.1538, 74.3131)  
contains.

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# Color

**XYZ(87.8739, 96.1140,  
74.2420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDD1
RGB	255, 253, 209
RGB Percent	100%, 99%, 82%
CMY	0.0000, 0.0078, 0.1804
CMYK	0.00, 0.01, 0.18, 0.00
HSL	57°, 100%, 91%
HSV	57°, 18%, 100%
XYZ	87.8739, 96.1140, 74.2420
YIQ	248.5820, 15.3160, -13.2600

# Conversions

## Conversions Part 2

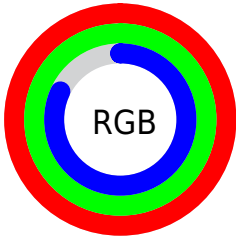
Format	Color
R <sub>Y</sub> B	211, 255, 209
Decimal	16776657
CIE Lab	98.48, -6.35, 21.34
CIE LCh	98, 22.266, 106.560
Yxy	96.1140, 0.3403, 0.3722
Android (android.graphics.Color)	4294966737 (0xFFFFFDD1)
YUV	248.5820, -19.5139, 5.6286
Hunter-Lab	98.0377, -11.5717, 23.7273

# Details

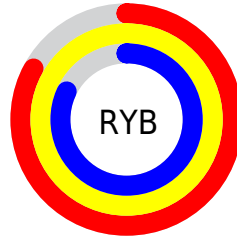
The XYZ color **87.8739, 96.1140, 74.2420** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.6383, 67.3620, 104.0450**, and the grayscale version is **89.8477, 94.5268, 102.9396**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8614, 53.8187, 38.3846** is the 20% darker color. If you saturate the color by 10%, you get **84.6190, 94.2586, 58.8081**, and if you desaturate by 10%, it is **91.6408, 98.1839, 92.3420**.

# Distribution



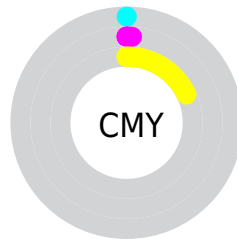
- Red (100%)
- Green (99%)
- Blue (82%)



- Red (83%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8739, 96.1140, 74.2420 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 87.8739, 96.1140, 74.2420 by changing the saturation by 10% instead.




 87.8739, 96.1140,  
74.2420

 87.8739, 96.1140,  
74.2420


509.4318,  
547.7252, 494.4939

 66.5491, 73.0625,  
54.4941


143.2750,  
155.8027, 126.9760

 48.9876, 54.0271,  
38.6010


178.0820,  
193.2088, 160.7992

 34.8242, 38.6233,  
26.1440


218.1138,  
236.1685, 200.1513

 23.6933, 26.4668,  
16.7047

263.7357,  
285.0662, 245.4509

 15.2298, 17.1732,  
9.8644

315.3131,  
340.2863, 297.1163

 9.0682, 10.3580,  
5.2047

373.2113,

 4.8431, 5.6370,

402.2133, 355.5663

2.3071

437.7958,  
471.2314, 421.2193

■ 2.1893, 2.6256,  
0.7352

■ 0.7371, 0.9396,  
0.0000

■ 87.8739, 96.1140,  
74.2420

■ 87.8739, 96.1140,  
74.2420

■ 84.6190, 94.2586,  
58.8081


■ 91.6408, 98.1839,  
92.3420


■ 81.8452, 92.5956,  
45.9077


95.0500, 100.0000,  
108.9000


■ 79.5289, 91.1189,  
35.4064


■ 77.6416, 89.8170,  
27.1547

 76.1519, 88.6773,  
20.9865

 75.0238, 87.6854,  
16.7125

 74.2149, 86.8245,  
14.1094

 73.6676, 86.0714,  
12.8744

 73.5750, 85.9299,  
12.7083

# Harmonies

## Analogous

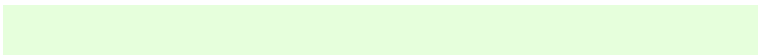
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2581, 96.1140, 73.8458



87.8739, 96.1140, 74.2420



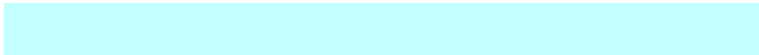
82.6651, 96.1140, 82.1391

# Triad

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



87.8739, 96.1140, 74.2420



83.1113, 96.1140, 132.5320



103.9171, 96.1140, 113.1016

# Complementary

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



87.8739, 96.1140, 74.2420



67.6383, 67.3620, 104.0450

# 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.



100.6303, 96.1140, 130.9426



87.8739, 96.1140, 74.2420



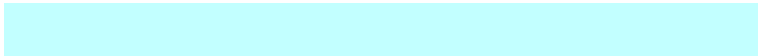
88.5091, 96.1140, 143.0170

# Square

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



87.8739, 96.1140, 74.2420



80.0050, 96.1140, 115.0744



94.9237, 96.1140, 142.4034

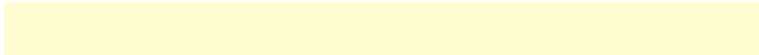


103.7274, 96.1140, 94.8784

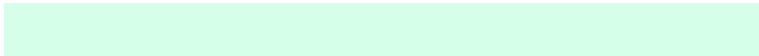


# Rectangle

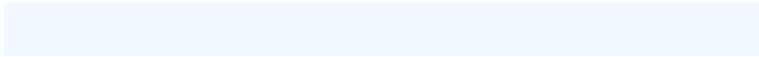
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8739, 96.1140, 74.2420



80.4706, 96.1140, 91.1858



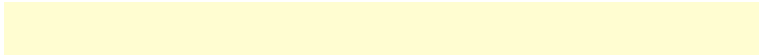
94.9237, 96.1140, 142.4034



103.1759, 96.1140, 119.3822

# Sweetspot

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



87.8762, 96.1181, 74.2440



92.8886, 98.8538, 98.3863



75.8368, 71.5803, 71.6460



19.8193, 21.1252, 20.7546



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

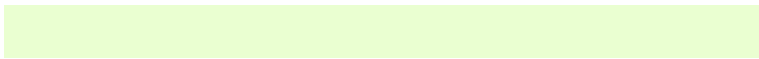
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8762, 96.1181, 74.2440



86.5264, 95.3573, 67.8173



81.2995, 93.6670, 74.1175



19.4898, 20.9477, 19.1604



38.4742, 44.9596, 6.6503



3.7662, 4.4177, 0.6542



# Inverse Universe

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



67.6383, 67.3620, 104.0450



62.5407, 61.2765, 103.1390



73.3883, 69.5955, 104.1730



17.0661, 17.5039, 22.7291



9.5215, 3.9525, 49.6957

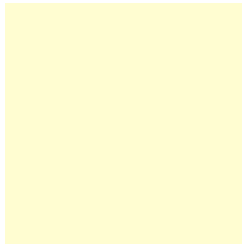


0.9483, 0.4273, 4.8458



# Previews

## White Background



This preview shows how the XYZ color 87.8739, 96.1140, 74.2420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

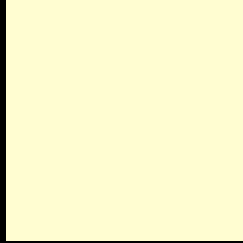
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8739, 96.1140, 74.2420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

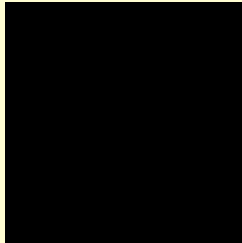
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.8739, 96.1140, 74.2420**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.8739, 96.1140, 74.2420.



This preview shows how white text looks on a background with the XYZ color 87.8739, 96.1140,

74.2420.

# Color Blindness Simulation

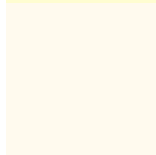
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



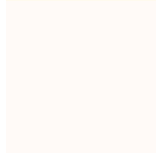
### Original Color

87.8739, 96.1140, 74.2420



### Protanopia

90.8582, 95.8043, 94.5922



### Deuteranopia

92.2141, 96.3466, 101.7322

## **Tritanopia**

92.7987, 96.0422, 108.2547

# Trichromacy



## Original Color

87.8739, 96.1140, 74.2420



## Protanomaly

89.6023, 95.8004, 86.4418



## Deuteranomaly

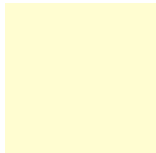
90.4452, 96.1376, 90.8802



## Tritanomaly

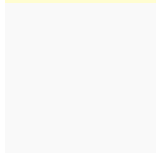
90.4913, 95.6151, 94.5751

# Monochromacy



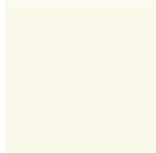
## Original Color

87.8739, 96.1140, 74.2420



## Achromatopsia

90.0415, 94.7307, 103.1617



## Achromatomaly

88.8206, 94.8210, 91.4628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.8739, 96.1140, 74.2420 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, 253, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 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, 253, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8739, 96.1140, 74.2420 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, 253, 209) }
```



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

```
.border{ border-color:rgb(255, 253, 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, 253, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8739, 96.1140, 74.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 209) }
```

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

```
.background{ background-color: rgb(255,  
253, 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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