

Converting Colors

XYZ(87.1882, 96.7083, 74.1416)

Have a look what the booklet for
XYZ(87.1882, 96.7083, 74.1416)
contains.

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Color

**XYZ(87.4135, 96.8189,
74.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFD1
RGB	252, 255, 209
RGB Percent	99%, 100%, 82%
CMY	0.0118, 0.0000, 0.1804
CMYK	0.01, 0.00, 0.18, 0.00
HSL	64°, 100%, 91%
HSV	64°, 18%, 100%
XYZ	87.4135, 96.8189, 74.4023
YIQ	248.8590, 12.9780, -14.9420

Conversions

Conversions Part 2

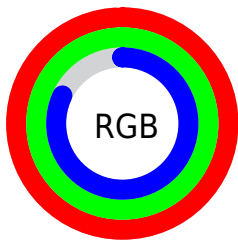
Format	Color
R_{YB}	209, 255, 212
Decimal	16580561
CIE _{Lab}	98.76, -8.40, 21.70
CIE _{LCh}	99, 23.267, 111.168
Yxy	96.8189, 0.3380, 0.3743
Android (android.graphics.Color)	4294770641 (0xFFFCFFD1)
YUV	248.8590, -19.6505, 2.7547
Hunter-Lab	98.3966, -13.6183, 24.0457

Details

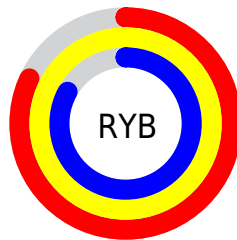
The XYZ color **87.4135, 96.8189, 74.4023** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.0027, 66.8192, 103.9210**, and the grayscale version is **90.0747, 94.7656, 103.1998**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5325, 54.3234, 38.4994** is the 20% darker color. If you saturate the color by 10%, you get **83.9052, 95.3463, 59.0556**, and if you desaturate by 10%, it is **91.4335, 98.4968, 92.4133**.

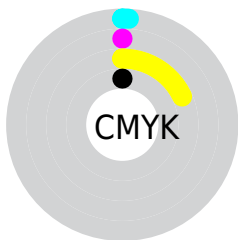
Distribution



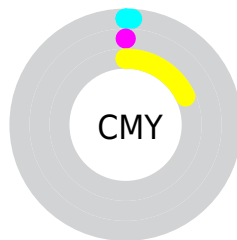
- Red (99%)
- Green (100%)
- Blue (82%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4135, 96.8189, 74.4023 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 87.4135, 96.8189, 74.4023 by changing the saturation by 10% instead.


 87.4135, 96.8189,
74.4023

 87.4135, 96.8189,
74.4023


507.9448,
549.9717, 495.0612

 66.1666, 73.6498,
54.6246


142.6371,
156.7751, 127.2052

 48.6759, 54.5074,
38.7047


177.3445,
194.3310, 161.0675

 34.5759, 39.0075,
26.2240


217.2694,
237.4512, 200.4618

 23.5014, 26.7656,
16.7640

262.7773,
286.5202, 245.8065

 15.0869, 17.3972,
9.9062

314.2334,
341.9224, 297.5203

 8.9671, 10.5181,
5.2320

372.0031,

 4.7767, 5.7438,

404.0421, 356.0216

2.3229

436.4518,
473.2637, 421.7291

■ 2.1502, 2.6899,
0.7440

■ 0.7163, 0.9721,
0.0000

■ 87.4135, 96.8189,
74.4023

■ 87.4135, 96.8189,
74.4023

■ 83.9052, 95.3463,
59.0556

■ 91.4335, 98.4968,
92.4133

■ 80.8830, 94.0688,
46.2428

95.0500, 100.0000,
108.9000

■ 78.3215, 92.9762,
35.8286

■ 76.1924, 92.0571,
27.6635

■ 74.4639, 91.2988,
21.5814

■ 73.1002, 90.6871,
17.3932

■ 72.0590, 90.2050,
14.8756

■ 71.2825, 89.8294,
13.7255

■ 71.1453, 89.7618,
13.5760

Harmonies

Analogous

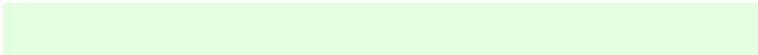
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0318, 96.8189, 72.7748



87.4135, 96.8189, 74.4023



82.2738, 96.8189, 83.7765

Triad

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



87.4135, 96.8189, 74.4023



84.1186, 96.8189, 137.1250



105.4610, 96.8189, 111.2334

Complementary

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



87.4135, 96.8189, 74.4023



68.0027, 66.8192, 103.9210

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.



102.5144, 96.8189, 130.5012



87.4135, 96.8189, 74.4023



90.0439, 96.8189, 146.6045

Square

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



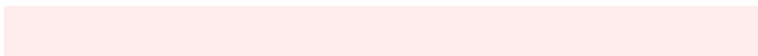
87.4135, 96.8189, 74.4023



80.4372, 96.8189, 119.4270



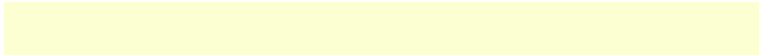
96.7927, 96.8189, 144.0427



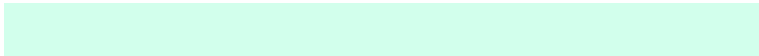
104.6721, 96.8189, 92.5521

Rectangle

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



87.4135, 96.8189, 74.4023



80.2718, 96.8189, 93.8642



96.7927, 96.8189, 144.0427



104.8694, 96.8189, 117.8859

Sweetspot

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



87.4140, 96.8191, 74.4037



92.7594, 99.0485, 98.4307



76.1182, 72.6023, 70.3247



19.7878, 21.1728, 20.7654



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

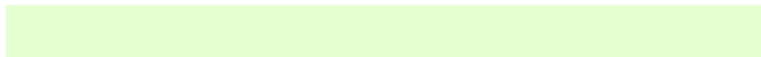
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4140, 96.8191, 74.4037



85.9642, 96.2117, 68.0119



79.8062, 92.8971, 74.0477



19.4374, 21.0269, 19.1785



37.2249, 46.9282, 7.0961



3.6583, 4.5867, 0.6925

Inverse Universe

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



68.0027, 66.8192, 103.9210



62.9588, 60.6554, 102.9971



74.8815, 70.3653, 104.2429



17.1126, 17.4343, 22.7132



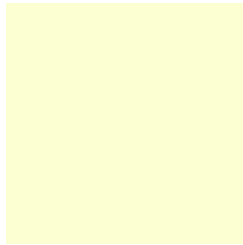
9.5898, 3.8542, 49.6731



0.9703, 0.3941, 4.8382

Previews

White Background



This preview shows how the XYZ color 87.4135, 96.8189, 74.4023 looks on a white background.

Color Contrast Check

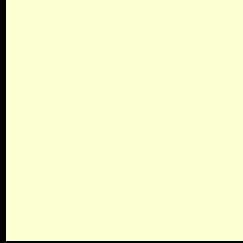
Large Text (above 18pt) WCAG AA × Fail

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 87.4135, 96.8189, 74.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

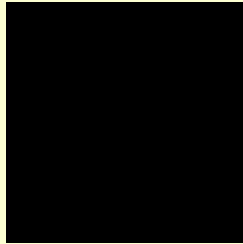
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4135, 96.8189, 74.4023

Background



This preview shows how black text looks on a background with the XYZ color 87.4135, 96.8189, 74.4023.

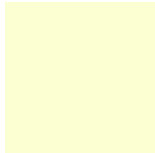


This preview shows how white text looks on a background with the XYZ color 87.4135, 96.8189,

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

87.4135, 96.8189, 74.4023



Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.6805, 97.0317, 102.6511

Tritanopia

92.7436, 96.4739, 108.3409

Trichromacy



Original Color

87.4135, 96.8189, 74.4023

Protanomaly

89.8263, 96.3488, 87.9916

Deuteranomaly

90.5347, 96.6322, 91.7221

Tritanomaly

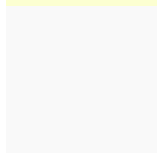
90.7510, 96.6765, 94.7663

Monochromacy



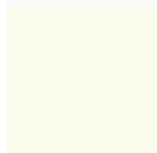
Original Color

87.4135, 96.8189, 74.4023



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.7728, 95.2589, 91.5499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4135, 96.8189, 74.4023 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(252, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 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(252, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 87.4135, 96.8189, 74.4023 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(252, 255, 209) }
```


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

```
.border{ border-color:rgb(252, 255, 209) }
```

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

Here you see how a box with a 4 pixel rgb(252, 255, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4135, 96.8189, 74.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 209) }
```

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

```
.background{ background-color: rgb(252,  
255, 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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