

Converting Colors

XYZ(87.4609, 96.9276, 70.5967)

Have a look what the booklet for
XYZ(87.4609, 96.9276, 70.5967)
contains.

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Color

**XYZ(87.4125, 96.9026,
70.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFFCB
RGB	254, 255, 203
RGB Percent	100%, 100%, 80%
CMY	0.0039, 0.0000, 0.2039
CMYK	0.00, 0.00, 0.20, 0.00
HSL	61°, 100%, 90%
HSV	61°, 20%, 100%
XYZ	87.4125, 96.9026, 70.5969
YIQ	248.7730, 16.0960, -16.3840

Conversions

Conversions Part 2

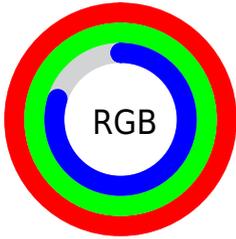
Format	Color
R_{YB}	203, 255, 204
Decimal	16711627
CIE _{Lab}	98.79, -8.55, 24.81
CIE _{LCh}	99, 26.241, 109.007
Yxy	96.9026, 0.3429, 0.3801
Android (android.graphics.Color)	4294901707 (0xFFFEFFCB)
YUV	248.7730, -22.5661, 4.5841
Hunter-Lab	98.4391, -13.7631, 26.3868

Details

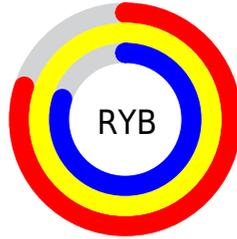
The XYZ color **87.4125, 96.9026, 70.5969** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.3088, 62.7706, 103.3342**, and the grayscale version is **90.0254, 94.7137, 103.1432**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6449, 54.4284, 36.3756** is the 20% darker color. If you saturate the color by 10%, you get **84.4401, 95.6930, 55.8781**, and if you desaturate by 10%, it is **90.8863, 98.3129, 87.9510**.

Distribution



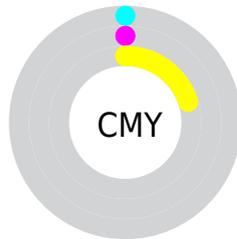
- Red (100%)
- Green (100%)
- Blue (80%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4125, 96.9026, 70.5969 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 87.4125, 96.9026, 70.5969 by changing the saturation by 10% instead.

 87.4125, 96.9026,
70.5969

 87.4125, 96.9026,
70.5969

507.9416,
550.2382, 481.4887

 66.1658, 73.7195,
51.5335

142.6357,
156.8905, 121.7487

 48.6752, 54.5645,
36.2537

177.3428,
194.4641, 154.6741

 34.5754, 39.0532,
24.3389

217.2676,
237.6034, 193.0573

 23.5009, 26.8011,
15.3707

262.7752,
286.6927, 237.3168

 15.0866, 17.4239,
8.9305

314.2310,
342.1165, 287.8712

 8.9669, 10.5372,
4.5997

372.0005,

 4.7765, 5.7565,

404.2590, 345.1389

1.9598

436.4489,
473.5048, 409.5386

■ 2.1501, 2.6976,
0.5304

■ 0.7163, 0.9760,
0.0000

■ 87.4125, 96.9026,
70.5969

■ 87.4125, 96.9026,
70.5969

■ 84.4401, 95.6930,
55.8781

■ 90.8863, 98.3129,
87.9510

■ 81.9430, 94.6735,
43.6617

94.8827, 99.9323,
108.0558

■ 79.8955, 93.8339,
33.8098

95.0500, 100.0000,
108.9000

■ 78.2684, 93.1625,
26.1695

■ 77.0293, 92.6464,
20.5698

■ 76.1409, 92.2706,
16.8148

■ 75.5588, 92.0174,
14.6706

■ 75.2196, 91.8622,
13.7667

Harmonies

Analogous

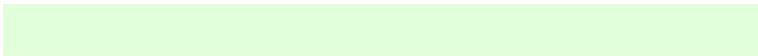
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9258, 96.9026, 69.4421



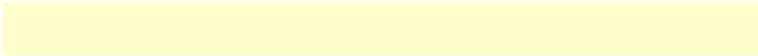
87.4125, 96.9026, 70.5969



81.4792, 96.9026, 80.3056

Triad

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



87.4125, 96.9026, 70.5969



82.8209, 96.9026, 140.4630



107.2500, 96.9026, 113.7176

Complementary

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



87.4125, 96.9026, 70.5969



64.3088, 62.7706, 103.3342

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.



103.6123, 96.9026, 135.5041



87.4125, 96.9026, 70.5969



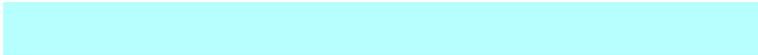
89.3367, 96.9026, 152.3030

Square

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



87.4125, 96.9026, 70.5969



78.9311, 96.9026, 119.7771



96.9584, 96.9026, 150.3725



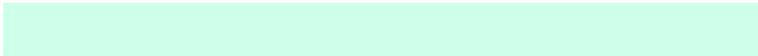
106.6645, 96.9026, 92.4242

Rectangle

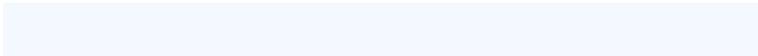
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4125, 96.9026, 70.5969



79.0880, 96.9026, 91.1779



96.9584, 96.9026, 150.3725



106.4729, 96.9026, 121.2714

Sweetspot

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



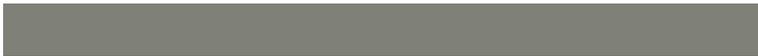
87.4130, 96.9028, 70.5983



92.5755, 98.9977, 96.4338



73.5815, 68.6953, 65.8827



19.7598, 21.1672, 20.3635



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

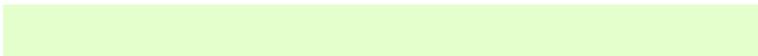
The Same Dimension uses a secret algorithm to generate beautiful new colors.



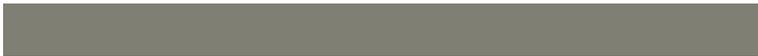
87.4130, 96.9028, 70.5983



86.2837, 96.4436, 64.9891



78.5774, 92.3479, 70.1848



19.5247, 21.0719, 19.1826



39.3196, 48.0081, 7.1941



3.8390, 4.6798, 0.7010

Inverse Universe

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



64.3088, 62.7706, 103.3342



59.7969, 57.3136, 102.5187



71.9972, 66.7341, 103.6940



17.0353, 17.3944, 22.7095



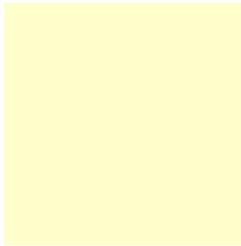
9.4775, 3.7963, 49.6678



0.9337, 0.3752, 4.8365

Previews

White Background



This preview shows how the XYZ color 87.4125, 96.9026, 70.5969 looks on a white background.

Color Contrast Check

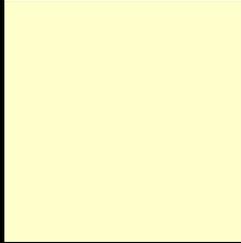
Large Text (above 18pt) WCAG AA × Fail

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 87.4125, 96.9026, 70.5969 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 87.4125, 96.9026, 70.5969

Background



This preview shows how black text looks on a background with the XYZ color 87.4125, 96.9026, 70.5969.



This preview shows how white text looks on a background with the XYZ color 87.4125, 96.9026,

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

87.4125, 96.9026, 70.5969



Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.6805, 97.0317, 102.6511

Tritanopia

93.1087, 96.6620, 108.3580

Trichromacy



Original Color

87.4125, 96.9026, 70.5969



Protanomaly

89.9155, 96.4269, 86.5462



Deuteranomaly

90.6159, 96.7070, 90.2343



Tritanomaly

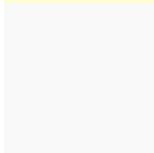
90.8238, 96.7478, 93.2441

Monochromacy



Original Color

87.4125, 96.9026, 70.5969



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 87.4125, 96.9026, 70.5969 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 87.4125, 96.9026, 70.5969 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, 203) }
```

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

```
.border{ border-color:rgb(254, 255, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4125, 96.9026, 70.5969 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, 203) }
```

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

```
.background{ background-color: rgb(254,  
255, 203) }
```

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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