

Converting Colors

XYZ(96.3014, 100.0000,
70.6174)

Have a look what the booklet for
XYZ(96.3014, 100.0000, 70.6174)
contains.

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Color

**XYZ(86.8299, 95.1926,
70.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCCB
RGB	255, 252, 203
RGB Percent	100%, 99%, 80%
CMY	0.0000, 0.0117, 0.2039
CMYK	0.00, 0.01, 0.20, 0.00
HSL	57°, 100%, 90%
HSV	57°, 20%, 100%
XYZ	86.8299, 95.1926, 70.2975
YIQ	247.3110, 17.5170, -14.6030

Conversions

Conversions Part 2

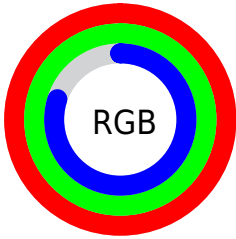
Format	Color
R _Y B	206, 255, 203
Decimal	16776395
CIE Lab	98.11, -6.70, 23.88
CIE LCh	98, 24.806, 105.672
Yxy	95.1926, 0.3441, 0.3773
Android (android.graphics.Color)	4294966475 (0xFFFFFCCB)
YUV	247.3110, -21.8453, 6.7433
Hunter-Lab	97.5667, -11.8849, 25.5778

Details

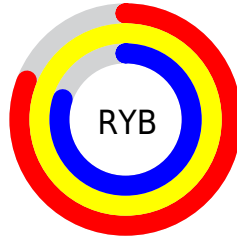
The XYZ color **86.8299, 95.1926, 70.2975** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.7495, 64.0574, 103.5594**, and the grayscale version is **88.8254, 93.4513, 101.7684**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2286, 53.2059, 36.1616** is the 20% darker color. If you saturate the color by 10%, you get **83.5791, 93.1606, 55.4346**, and if you desaturate by 10%, it is **90.5887, 97.4399, 87.7980**.

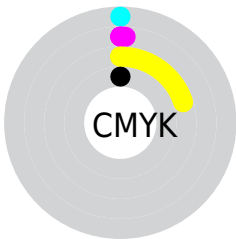
Distribution



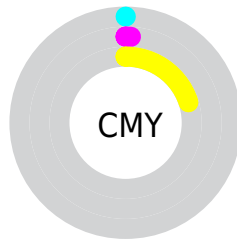
- Red (100%)
- Green (99%)
- Blue (80%)



- Red (81%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.8299, 95.1926, 70.2975 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 86.8299, 95.1926, 70.2975 by changing the saturation by 10% instead.


 86.8299, 95.1926,
70.2975

 86.8299, 95.1926,
70.2975

506.0567,
544.7814, 480.4112

 65.6820, 72.2953,
51.2908

141.8279,
154.5307, 121.3180

 48.2811, 53.3999,
36.0618


176.4087,
191.7402, 154.1689

 34.2617, 38.1221,
24.1918


216.1979,
234.4893, 192.4716

 23.2586, 26.0775,
15.2625

261.5608,
283.1623, 236.6447

 14.9063, 16.8816,
8.8551

312.8628,
338.1436, 287.1066

 8.8395, 10.1501,
4.5513

370.4692,

 4.6929, 5.4986,

399.8176, 344.2760

1.9324

434.7454,
468.5687, 408.5713

■ 2.1011, 2.5427,
0.5132

■ 0.6898, 0.8979,
0.0000

■ 86.8299, 95.1926,
70.2975

■ 86.8299, 95.1926,
70.2975

■ 83.5791, 93.1606,
55.4346

■ 90.5887, 97.4399,
87.7980

■ 80.8051, 91.3218,
43.0747

94.8714, 99.8992,
108.0500

■ 78.4836, 89.6698,
33.0804

95.0500, 100.0000,
108.9000

■ 76.5856, 88.1927,
25.2989

■ 75.0787, 86.8778,
19.5591

■ 73.9256, 85.7100,
15.6652

■ 73.0819, 84.6716,
13.3832

■ 72.4941, 83.7683,
12.3480

Harmonies

Analogous

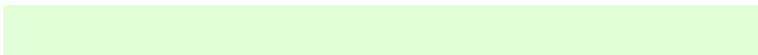
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9079, 95.1926, 70.1139



86.8299, 95.1926, 70.2975



81.0340, 95.1926, 78.5958

Triad

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



86.8299, 95.1926, 70.2975



81.2451, 95.1926, 134.3001



104.4001, 95.1926, 113.6567

Complementary

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



86.8299, 95.1926, 70.2975



64.7495, 64.0574, 103.5594

Split Complementary

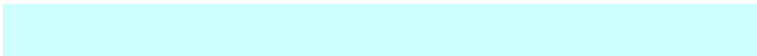
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.6281, 95.1926, 133.5286



86.8299, 95.1926, 70.2975



87.1321, 95.1926, 146.4643

Square

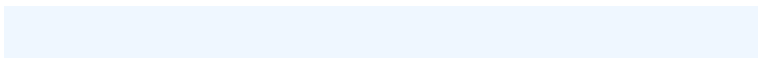
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8299, 95.1926, 70.2975



77.9268, 95.1926, 114.6041



94.2263, 95.1926, 146.1647



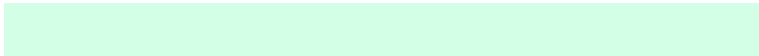
104.3087, 95.1926, 93.4145

Rectangle

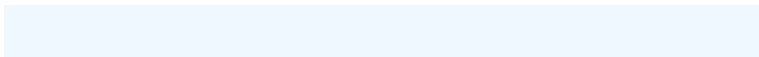
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8299, 95.1926, 70.2975



78.5683, 95.1926, 88.3218



94.2263, 95.1926, 146.1647



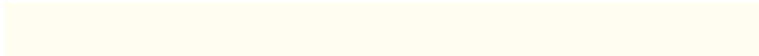
103.5336, 95.1926, 120.6531

Sweetspot

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



86.8322, 95.1967, 70.2995



92.4033, 98.4927, 96.3454



73.7941, 68.4519, 68.0147



19.7189, 21.0474, 20.3425



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

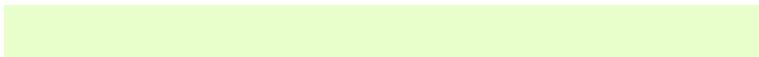
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8322, 95.1967, 70.2995



85.6014, 94.4386, 64.6380



79.9705, 93.0661, 70.2499



19.4664, 20.9009, 19.1526



37.9184, 43.8481, 6.4650



3.7182, 4.3217, 0.6382

Inverse Universe

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



64.7495, 64.0574, 103.5594



60.2866, 58.7424, 102.7687



70.6247, 66.0265, 103.6298



17.0869, 17.5454, 22.7360



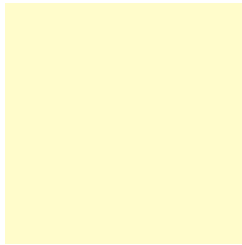
9.5513, 4.0122, 49.7056



0.9582, 0.4470, 4.8491

Previews

White Background



This preview shows how the XYZ color 86.8299, 95.1926, 70.2975 looks on a white background.

Color Contrast Check

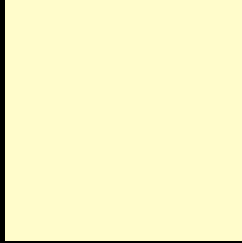
Large Text (above 18pt) WCAG AA × Fail

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 86.8299, 95.1926, 70.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

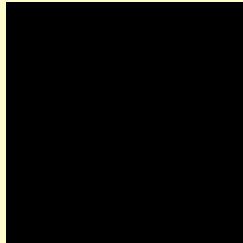
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.8299, 95.1926, 70.2975

Background



This preview shows how black text looks on a background with the XYZ color 86.8299, 95.1926, 70.2975.



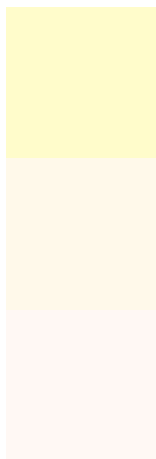
This preview shows how white text looks on a background with the XYZ color 86.8299, 95.1926,

70.2975.

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

86.8299, 95.1926, 70.2975

Protanopia

89.9670, 94.9519, 91.4277

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

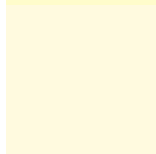
92.5508, 95.0015, 108.0669

Trichromacy



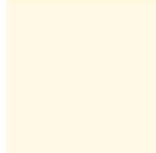
Original Color

86.8299, 95.1926, 70.2975



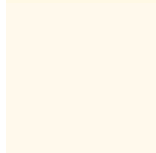
Protanomaly

88.7449, 94.9589, 83.4636



Deuteranomaly

89.2585, 94.6685, 87.6972



Tritanomaly

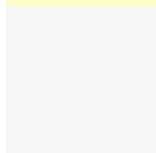
90.2560, 95.0675, 92.9497

Monochromacy



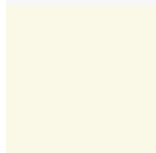
Original Color

86.8299, 95.1926, 70.2975



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.7238, 93.8449, 89.0916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8299, 95.1926, 70.2975 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, 252, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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(255, 252, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 203) }
```

Border

The CSS property to change the border of an element to XYZ 86.8299, 95.1926, 70.2975 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, 252, 203) }
```


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

```
.border{ border-color:rgb(255, 252, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8299, 95.1926, 70.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 203) }
```

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

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