

# Converting Colors

XYZ(86.6143, 94.0765, 72.3370)

Have a look what the booklet for  
XYZ(86.6143, 94.0765, 72.3370)  
contains.

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# Color

**XYZ(86.6881, 94.1362,  
72.6326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFACF
RGB	255, 250, 207
RGB Percent	100%, 98%, 81%
CMY	0.0000, 0.0196, 0.1882
CMYK	0.00, 0.02, 0.19, 0.00
HSL	54°, 100%, 91%
HSV	54°, 19%, 100%
XYZ	86.6881, 94.1362, 72.6326
YIQ	246.5930, 16.7830, -12.3130

# Conversions

## Conversions Part 2

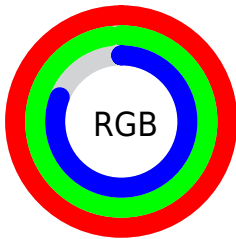
Format	Color
<b>R<sub>YB</sub></b>	213, 255, 207
Decimal	16775887
CIE <sub>Lab</sub>	97.69, -5.14, 21.26
CIE <sub>LCh</sub>	98, 21.873, 103.589
Yxy	94.1362, 0.3420, 0.3714
Android (android.graphics.Color)	4294965967 (0xFFFFFACF)
<b>YUV</b>	246.5930, -19.5193, 7.3729
Hunter-Lab	97.0238, -10.3068, 23.5318

# Details

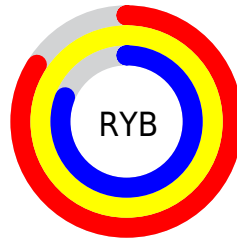
The XYZ color **86.6881, 94.1362, 72.6326** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.3251, 67.5705, 104.1017**, and the grayscale version is **88.2234, 92.8179, 101.0787**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3303, 52.8892, 37.7984** is the 20% darker color. If you saturate the color by 10%, you get **83.0010, 91.3547, 57.2452**, and if you desaturate by 10%, it is **90.8947, 97.1504, 90.6796**.

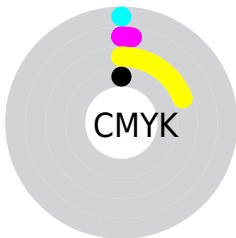
# Distribution



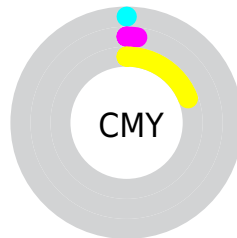
- Red (100%)
- Green (98%)
- Blue (81%)



- Red (84%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6881, 94.1362, 72.6326 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 86.6881, 94.1362, 72.6326 by changing the saturation by 10% instead.




 86.6881, 94.1362,  
72.6326

 86.6881, 94.1362,  
72.6326


505.5974,  
541.3959, 488.7771

 65.5643, 71.4162,  
53.1856


141.6312,  
153.0707, 124.6716

 48.1852, 52.6820,  
37.5622


176.1812,  
190.0540, 158.1006

 34.1854, 37.5489,  
25.3439


215.9374,  
232.5606, 197.0275

 23.1997, 25.6328,  
16.1121

261.2650,  
280.9748, 241.8706

 14.8625, 16.5491,  
9.4483

312.5295,  
335.6810, 293.0486

 8.8086, 9.9136,  
4.9339

370.0961,

 4.6727, 5.3417,

397.0637, 350.9800

2.1505

434.3303,  
465.5072, 416.0833

■ 2.0893, 2.4491,  
0.6456

■ 0.6834, 0.8510,  
0.0000

■ 86.6881, 94.1362,  
72.6326

■ 86.6881, 94.1362,  
72.6326

■ 83.0010, 91.3547,  
57.2452

■ 90.8947, 97.1504,  
90.6796

■ 79.8027, 88.7840,  
44.3844

95.0500, 100.0000,  
108.9000

■ 77.0693, 86.4177,  
33.9145

■ 74.7720, 84.2441,  
25.6850

■ 72.8790, 82.2505,  
19.5281

■ 71.3539, 80.4223,  
15.2526

■ 70.1536, 78.7421,  
12.6316

■ 69.2156, 77.1848,  
11.3363

■ 69.1129, 77.0058,  
11.2210

# Harmonies

## Analogous

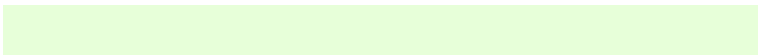
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9015, 94.1362, 72.9809



86.6881, 94.1362, 72.6326



81.4646, 94.1362, 79.5997

# Triad

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



86.6881, 94.1362, 72.6326



81.0731, 94.1362, 128.0232



101.4657, 94.1362, 112.5017

# Complementary

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



86.6881, 94.1362, 72.6326



67.3251, 67.5705, 104.1017

# 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.



97.9912, 94.1362, 129.4144



86.6881, 94.1362, 72.6326



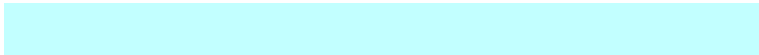
86.1311, 94.1362, 139.0624

# Square

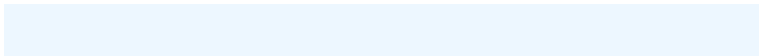
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6881, 94.1362, 72.6326



78.3259, 94.1362, 110.7733



92.3182, 94.1362, 139.5992



101.6319, 94.1362, 94.6460

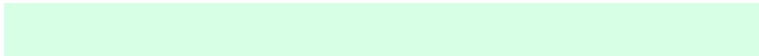


# Rectangle

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



86.6881, 94.1362, 72.6326



79.1663, 94.1362, 87.9805



92.3182, 94.1362, 139.5992



100.6389, 94.1362, 118.5313

# Sweetspot

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



86.6903, 94.1402, 72.6346



92.1779, 98.0420, 96.2703



75.5131, 70.6705, 72.3469



19.6655, 20.9405, 20.3247



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

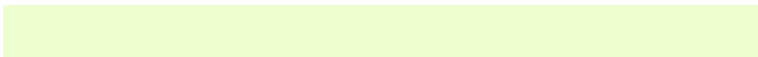
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6903, 94.1402, 72.6346



85.0879, 92.9499, 65.8902



81.8146, 93.9610, 72.8570



19.3903, 20.7487, 19.1273



36.1784, 40.3680, 5.8850



3.5671, 4.0195, 0.5878



# Inverse Universe

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



67.3251, 67.5705, 104.1017



62.1328, 61.4562, 103.1952



71.5399, 67.9187, 103.9468



17.1551, 17.6817, 22.7587



9.6799, 4.2693, 49.7485

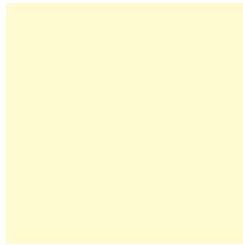


0.9903, 0.5113, 4.8598



# Previews

## White Background



This preview shows how the XYZ color 86.6881, 94.1362, 72.6326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

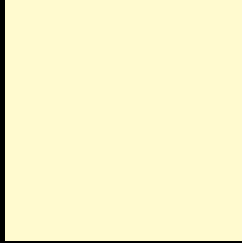
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.6881, 94.1362, 72.6326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

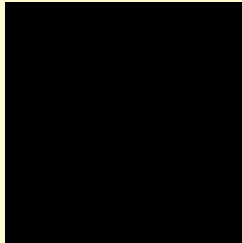
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.6881, 94.1362, 72.6326**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.6881, 94.1362, 72.6326.



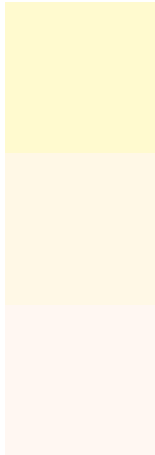
This preview shows how white text looks on a background with the XYZ color 86.6881, 94.1362,

72.6326.

# 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

86.6881, 94.1362, 72.6326

### Protanopia

89.0903, 94.1080, 88.3320

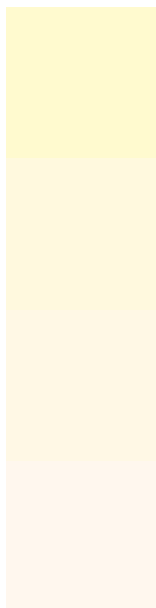
### Deuteranopia

90.5278, 94.1923, 97.4140

## **Tritanopia**

92.2458, 94.3915, 107.9653

# Trichromacy



## Original Color

86.6881, 94.1362, 72.6326

## Protanomaly

88.3005, 94.2853, 82.6522

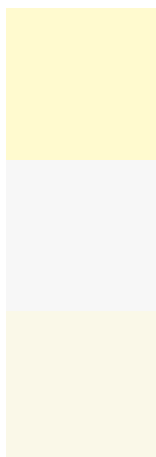
## Deuteranomaly

88.9503, 94.0519, 87.5944

## Tritanomaly

89.9334, 93.9546, 94.2840

# Monochromacy



## Original Color

86.6881, 94.1362, 72.6326

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.5572, 93.2850, 89.7350

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.6881, 94.1362, 72.6326 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, 250, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 207)  
}
```

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, 250, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 86.6881, 94.1362, 72.6326 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, 250, 207) }
```



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

```
.border{ border-color:rgb(255, 250, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.6881, 94.1362, 72.6326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 207) }
```

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

```
.background{ background-color: rgb(255,  
250, 207) }
```

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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