

# Converting Colors

XYZ(83.3400, 94.7893, 71.0304)

Have a look what the booklet for  
XYZ(83.3400, 94.7893, 71.0304)  
contains.

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# **Color**

**XYZ(83.2770, 94.7569,  
71.0275)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2FFCC
RGB	242, 255, 204
RGB Percent	95%, 100%, 80%
CMY	0.0510, 0.0000, 0.2000
CMYK	0.05, 0.00, 0.20, 0.00
HSL	75°, 100%, 90%
HSV	75°, 20%, 100%
XYZ	83.2770, 94.7569, 71.0275
YIQ	245.2990, 8.6230, -18.6170

# Conversions

## Conversions Part 2

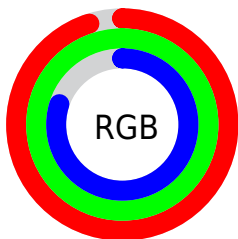
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 217
Decimal	15925196
CIE <sub>Lab</sub>	97.94, -12.66, 22.99
CIE <sub>LCh</sub>	98, 26.242, 118.841
Y <sub>xy</sub>	94.7569, 0.3344, 0.3805
Android (android.graphics.Color)	4294115276 (0xFFFF2FFCC)
YUV	245.2990, -20.3604, -2.8932
Hunter-Lab	97.3432, -17.6439, 24.8786

# Details

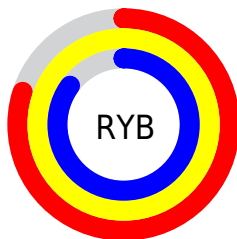
The XYZ color **83.2770, 94.7569, 71.0275** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2591, 65.1587, 103.5870**, and the grayscale version is **87.1849, 91.7253, 99.8889**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9488, 53.0293, 36.6681** is the 20% darker color. If you saturate the color by 10%, you get **78.2729, 92.5021, 56.1136**, and if you desaturate by 10%, it is **88.8622, 97.2533, 88.5851**.

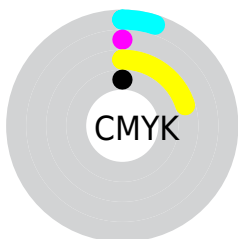
# Distribution



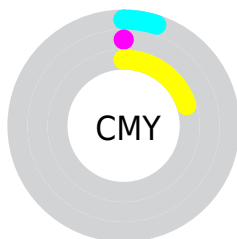
- Red (95%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2770, 94.7569, 71.0275 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 83.2770, 94.7569, 71.0275 by changing the saturation by 10% instead.



 83.2770, 94.7569,  
71.0275

 83.2770, 94.7569,  
71.0275


494.4792,  
543.3864, 483.0358

 62.7364, 71.9327,  
51.8827


136.8899,  
153.9287, 122.3677

 45.8858, 53.1037,  
36.5300


170.6928,  
191.0451, 155.4002

 32.3600, 37.8855,  
24.5508


209.6473,  
233.6943, 193.8989

 21.7935, 25.8939,  
15.5268

254.1185,  
282.2607, 238.2825

 13.8210, 16.7443,  
9.0392

304.4720,  
337.1287, 288.9694

 8.0771, 10.0523,  
4.6696

361.0730,

 4.1966, 5.4337,

398.6827, 346.3782

1.9994

424.2870,  
467.3072, 410.9275

■ 1.8139, 2.5039,  
0.5549

■ 0.5260, 0.8786,  
0.0000

■ 83.2770, 94.7569,  
71.0275

■ 83.2770, 94.7569,  
71.0275

■ 78.2729, 92.5021,  
56.1136

■ 88.8622, 97.2533,  
88.5851


■ 73.8233, 90.4781,  
43.7111


95.0500, 100.0000,  
108.9000


■ 69.9014, 88.6742,  
33.6823


■ 66.4775, 87.0784,  
25.8750

 63.5185, 85.6773,  
20.1190

 60.9864, 84.4557,  
16.2195

 58.8364, 83.3954,  
13.9443

 56.9954, 82.4673,  
12.9139

 56.9953, 82.4672,  
12.9138

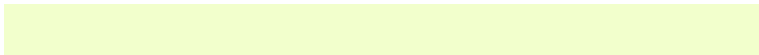
# Harmonies

## Analogous

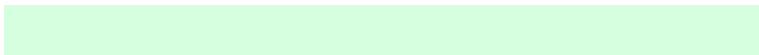
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3558, 94.7569, 67.1096



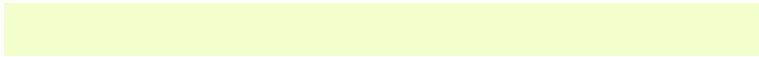
83.2770, 94.7569, 71.0275



78.2650, 94.7569, 83.2247

# Triad

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



83.2770, 94.7569, 71.0275



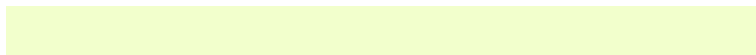
82.7980, 94.7569, 142.7568



105.2833, 94.7569, 104.0125

# Complementary

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



83.2770, 94.7569, 71.0275



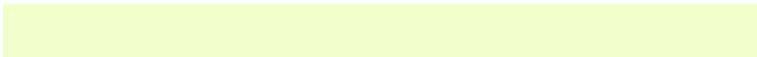
68.2591, 65.1587, 103.5870

# Split Complementary

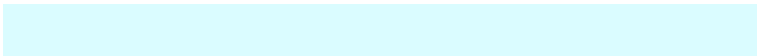
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9921, 94.7569, 126.0812



83.2770, 94.7569, 71.0275



89.7720, 94.7569, 150.2816

# Square

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



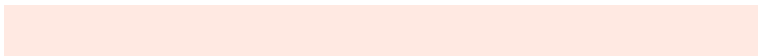
83.2770, 94.7569, 71.0275



77.9994, 94.7569, 124.4331



97.2092, 94.7569, 143.7975

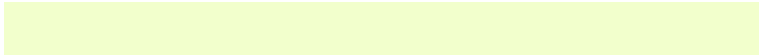


103.3117, 94.7569, 84.4859

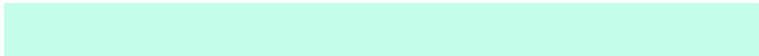


# Rectangle

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



83.2770, 94.7569, 71.0275



76.6284, 94.7569, 95.3772



97.2092, 94.7569, 143.7975



104.9840, 94.7569, 111.3849

# Sweetspot

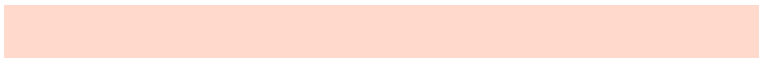
The Sweet Spot groups the original color and five complimentary colors.



83.2775, 94.7571, 71.0289



91.2633, 98.3213, 96.3724



76.8882, 75.1175, 67.5748



19.4487, 21.0069, 20.3489



0.0000, 0.0000, 0.0000

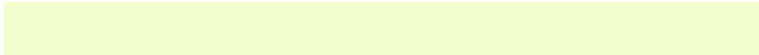


20.3446, 21.4041, 23.3091

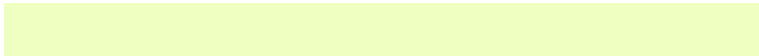


# Same Dimension

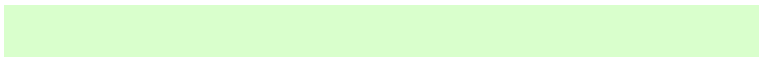
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2775, 94.7571, 71.0289



81.2070, 93.8265, 64.7515



75.2008, 90.5934, 70.6509



19.0826, 20.8440, 19.1619



29.9267, 43.1659, 6.7545



3.0148, 4.2549, 0.6624



# Inverse Universe

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



68.2591, 65.1587, 103.5870



63.7051, 59.3283, 102.7016



76.3474, 69.3284, 103.9655



17.4369, 17.6015, 22.7283



10.6861, 4.4194, 49.7244

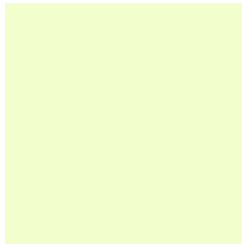


1.1363, 0.4797, 4.8460



# Previews

## White Background



This preview shows how the XYZ color 83.2770, 94.7569, 71.0275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

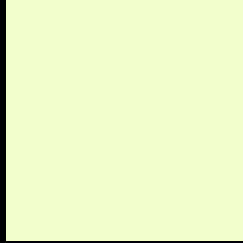
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2770, 94.7569, 71.0275 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

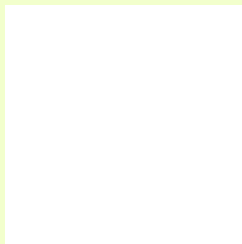
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.2770, 94.7569, 71.0275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2770, 94.7569, 71.0275.



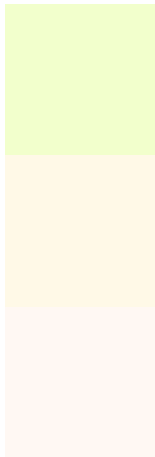
This preview shows how white text looks on a background with the XYZ color 83.2770, 94.7569,

71.0275.

# 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

83.2770, 94.7569, 71.0275

### Protanopia

89.5395, 94.7809, 89.1766

### Deuteranopia

90.9851, 94.8659, 98.3095

## **Tritanopia**

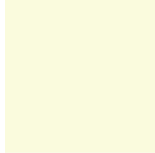
91.0417, 94.6788, 108.0842

# Trichromacy



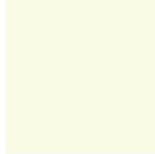
## Original Color

83.2770, 94.7569, 71.0275



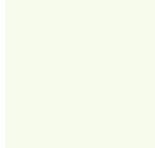
## Protanomaly

86.9727, 94.5388, 82.0705



## Deuteranomaly

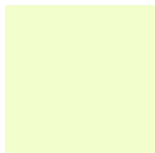
88.0644, 94.9755, 87.8194



## Tritanomaly

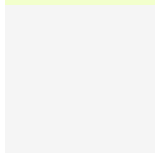
87.9953, 94.8246, 93.0220

# Monochromacy



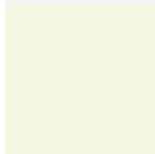
## Original Color

83.2770, 94.7569, 71.0275



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.4668, 92.6976, 88.2508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2770, 94.7569, 71.0275 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(242, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 204)  
}
```

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(242, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2770, 94.7569, 71.0275 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(242, 255, 204) }
```



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

```
.border{ border-color:rgb(242, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2770, 94.7569, 71.0275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 204) }
```

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

```
.background{ background-color: rgb(242,  
255, 204) }
```

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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