

# Converting Colors

XYZ(86.9772, 100.0000,  
71.5936)

Have a look what the booklet for  
XYZ(86.9772, 100.0000, 71.5936)  
contains.

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# Color

**XYZ(84.6651, 95.4725,  
71.0924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFCC
RGB	246, 255, 204
RGB Percent	96%, 100%, 80%
CMY	0.0353, 0.0000, 0.2000
CMYK	0.04, 0.00, 0.20, 0.00
HSL	71°, 100%, 90%
HSV	71°, 20%, 100%
XYZ	84.6651, 95.4725, 71.0924
YIQ	246.4950, 11.0070, -17.7690

# Conversions

## Conversions Part 2

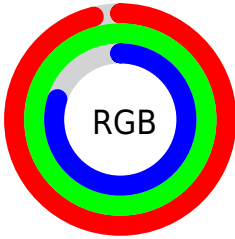
Format	Color
<a href="#">RYB</a>	<a href="#">204, 255, 213</a>
Decimal	<a href="#">16187340</a>
CIELab	<a href="#">98.22, -11.25, 23.43</a>
CIELCh	<a href="#">98, 25.988, 115.647</a>
Yxy	<a href="#">95.4725, 0.3370, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4294377420 (0xFFFF6FFCC)</a>
YUV	<a href="#">246.4950, -20.9500, -0.4341</a>
Hunter-Lab	<a href="#">97.7100, -16.3235, 25.2585</a>

# Details

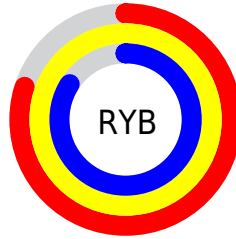
The XYZ color **84.6651, 95.4725, 71.0924** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.0844, 64.5531, 103.5320**, and the grayscale version is **88.1556, 92.7466, 101.0010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6854, 53.4090, 36.7025** is the 20% darker color. If you saturate the color by 10%, you get **80.2932, 93.5436, 56.2081**, and if you desaturate by 10%, it is **89.5770, 97.6218, 88.6185**.

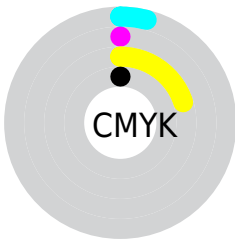
# Distribution



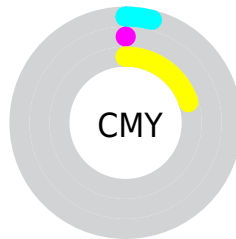
- Red (96%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6651, 95.4725, 71.0924 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 84.6651, 95.4725, 71.0924 by changing the saturation by 10% instead.




 84.6651, 95.4725,  
71.0924

 84.6651, 95.4725,  
71.0924


499.0196,  
545.6765, 483.2687

 63.8863, 72.5283,  
51.9353


138.8216,  
154.9172, 122.4610

 46.8199, 53.5904,  
36.5716


172.9300,  
192.1865, 155.5095

 33.1006, 38.2743,  
24.5828


212.2123,  
234.9997, 194.0256

 22.3632, 26.1956,  
15.5503

257.0338,  
283.7410, 238.4279

 14.2421, 16.9700,  
9.0556

307.7600,  
338.7950, 289.1348

 8.3721, 10.2131,  
4.6802

364.7561,

 4.3877, 5.5405,

400.5460, 346.5648

2.0054

428.3875,  
469.3783, 411.1367

■ 1.9237, 2.5677,  
0.5586

■ 0.5906, 0.9105,  
0.0000

■ 84.6651, 95.4725,  
71.0924

■ 84.6651, 95.4725,  
71.0924

■ 80.2932, 93.5436,  
56.2081

■ 89.5770, 97.6218,  
88.6185

■ 76.4353, 91.8247,  
43.8333

95.0500, 100.0000,  
108.9000

■ 73.0652, 90.3052,  
33.8304

■ 70.1537, 88.9735,  
26.0470

■ 67.6682, 87.8165,  
20.3132

■ 65.5714, 86.8193,  
16.4340

■ 63.8191, 85.9641,  
14.1775

■ 62.3388, 85.2219,  
13.1639

■ 62.3387, 85.2218,  
13.1639

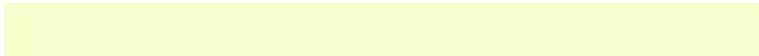
# Harmonies

## Analogous

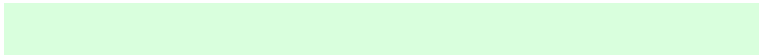
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8387, 95.4725, 68.0807



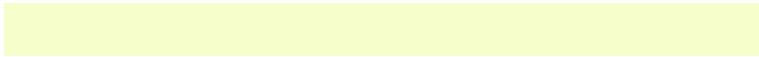
84.6651, 95.4725, 71.0924



79.3898, 95.4725, 82.4171

# Triad

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



84.6651, 95.4725, 71.0924



82.8742, 95.4725, 141.7651



105.8394, 95.4725, 107.1081

# Complementary

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



84.6651, 95.4725, 71.0924



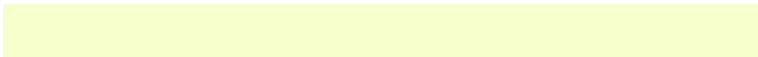
67.0844, 64.5531, 103.5320

# 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.



103.1316, 95.4725, 128.9481



84.6651, 95.4725, 71.0924



89.6575, 95.4725, 150.6249

# Square

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



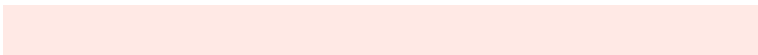
84.6651, 95.4725, 71.0924



78.3964, 95.4725, 122.8028



97.1066, 95.4725, 145.6410



104.3239, 95.4725, 87.1387

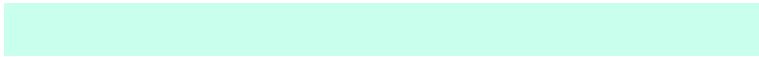


# Rectangle

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



84.6651, 95.4725, 71.0924



77.5222, 95.4725, 94.0817



97.1066, 95.4725, 145.6410



105.3890, 95.4725, 114.4924

# Sweetspot

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



84.6656, 95.4727, 71.0938



91.6973, 98.5450, 96.3927



75.8084, 72.9580, 67.2148



19.5515, 21.0599, 20.3537



0.0000, 0.0000, 0.0000

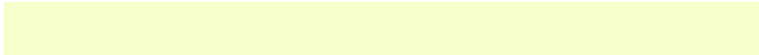


20.3446, 21.4041, 23.3091

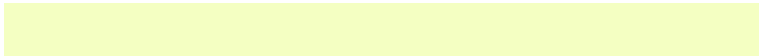


# Same Dimension

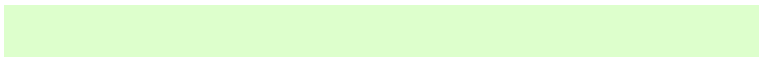
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6656, 95.4727, 71.0938



82.8529, 94.6750, 64.8285



76.4786, 91.2521, 70.7106



19.2283, 20.9191, 19.1687



32.6880, 44.5893, 6.8838



3.2614, 4.3821, 0.6739



# Inverse Universe

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



67.0844, 64.5531, 103.5320



62.3638, 58.6369, 102.6389



74.9035, 68.5840, 103.8979



17.3018, 17.5318, 22.7220



10.0830, 4.1084, 49.6962

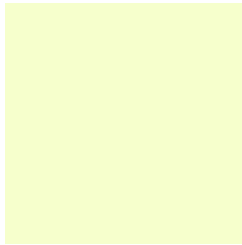


1.0597, 0.4402, 4.8424



# Previews

## White Background



This preview shows how the XYZ color 84.6651, 95.4725, 71.0924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

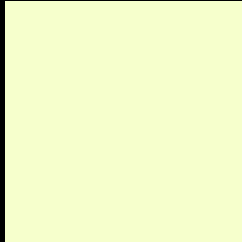
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.6651, 95.4725, 71.0924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

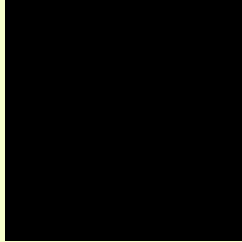
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.6651, 95.4725, 71.0924

## Background



This preview shows how black text looks on a background with the XYZ color 84.6651, 95.4725, 71.0924.



This preview shows how white text looks on a background with the XYZ color 84.6651, 95.4725,

71.0924.

# Color Blindness Simulation

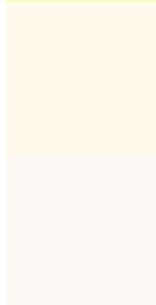
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.6651, 95.4725, 71.0924



### Protanopia

90.4210, 95.6294, 92.2899

### Deuteranopia

91.5971, 95.6039, 100.0119

## **Tritanopia**

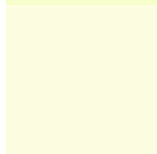
91.7093, 95.4806, 108.2037

# Trichromacy



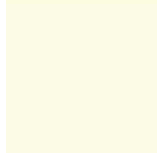
## Original Color

84.6651, 95.4725, 71.0924



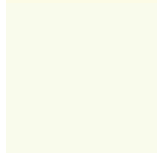
## Protanomaly

88.4098, 95.6981, 84.3329



## Deuteranomaly

88.9250, 95.4030, 88.5907



## Tritanomaly

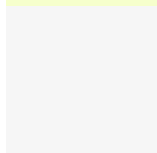
88.7044, 95.1902, 93.0552

# Monochromacy



## Original Color

84.6651, 95.4725, 71.0924



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

86.3055, 93.1137, 89.0253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.6651, 95.4725, 71.0924 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(246, 255, 204) looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 84.6651, 95.4725, 71.0924 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(246, 255, 204) }
```



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

```
.border{ border-color:rgb(246, 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(246, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.6651, 95.4725, 71.0924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 204) }
```

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

```
.background{ background-color: rgb(246,  
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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