

Converting Colors

XYZ(85.7616, 100.3409,
72.3584)

Have a look what the booklet for
XYZ(85.7616, 100.3409, 72.3584)
contains.

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Color

**XYZ(83.0551, 94.6286,
71.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FFCD
RGB	241, 255, 205
RGB Percent	95%, 100%, 80%
CMY	0.0549, 0.0000, 0.1961
CMYK	0.05, 0.00, 0.20, 0.00
HSL	77°, 100%, 90%
HSV	77°, 20%, 100%
XYZ	83.0551, 94.6286, 71.6453
YIQ	245.1140, 7.7060, -18.5180

Conversions

Conversions Part 2

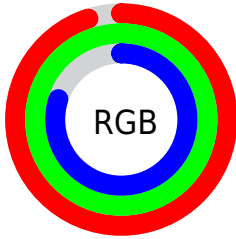
Format	Color
R _Y B	205, 255, 219
Decimal	15859661
CIE Lab	97.88, -12.86, 22.40
CIE LCh	98, 25.828, 119.869
Yxy	94.6286, 0.3331, 0.3795
Android (android.graphics.Color)	4294049741 (0xFFFF1FFCD)
YUV	245.1140, -19.7762, -3.6080
Hunter-Lab	97.2772, -17.8322, 24.4266

Details

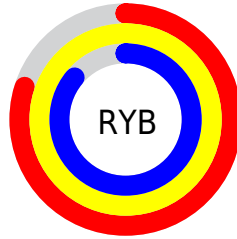
The XYZ color **83.0551, 94.6286, 71.6453** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.0957, 65.9440, 103.6945**, and the grayscale version is **87.0319, 91.5643, 99.7135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7876, 52.9368, 37.0827** is the 20% darker color. If you saturate the color by 10%, you get **77.8336, 92.2639, 56.6211**, and if you desaturate by 10%, it is **88.8749, 97.2436, 89.3189**.

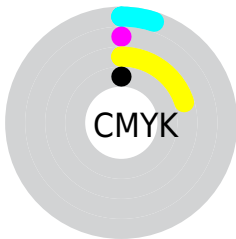
Distribution



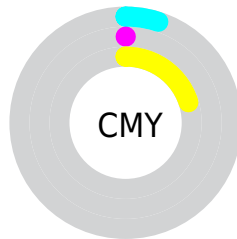
- Red (95%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (86%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0551, 94.6286, 71.6453 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 83.0551, 94.6286, 71.6453 by changing the saturation by 10% instead.


 83.0551, 94.6286,
71.6453

 83.0551, 94.6286,
71.6453


493.7513,
542.9753, 485.2504

 62.5527, 71.8259,
52.3839


136.5808,
153.7514, 123.2551

 45.7367, 53.0165,
36.9268


170.3347,
190.8403, 156.4407

 32.2418, 37.8159,
24.8555


209.2365,
233.4600, 195.1046

 21.7027, 25.8398,
15.7514

253.6516,
281.9950, 239.6656

 13.7540, 16.7039,
9.1960

303.9452,
336.8296, 290.5422

 8.0303, 10.0236,
4.7707

360.4828,

 4.1663, 5.4146,

398.3483, 348.1528

2.0570

423.6297,
466.9354, 412.9160

■ 1.7967, 2.4925,
0.5900

■ 0.5157, 0.8729,
0.0000

■ 83.0551, 94.6286,
71.6453

■ 83.0551, 94.6286,
71.6453

■ 77.8336, 92.2639,
56.6211

■ 88.8749, 97.2436,
89.3189

■ 73.1836, 90.1387,
44.1141

95.0500, 100.0000,
108.9000

■ 69.0780, 88.2421,
33.9874

■ 65.4871, 86.5620,
26.0892

■ 62.3774, 85.0850,
20.2499

■ 59.7112, 83.7957,
16.2761

■ 57.4434, 82.6760,
13.9375

■ 55.5043, 81.6979,
12.8727

■ 55.4317, 81.6612,
12.8406

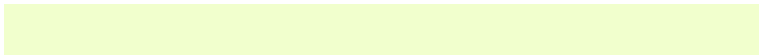
Harmonies

Analogous

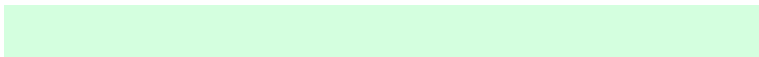
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9742, 94.6286, 67.4895



83.0551, 94.6286, 71.6453



78.2134, 94.6286, 83.9424

Triad

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



83.0551, 94.6286, 71.6453



83.0016, 94.6286, 142.3513



104.8985, 94.6286, 103.1278

Complementary

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



83.0551, 94.6286, 71.6453



69.0957, 65.9440, 103.6945

Split Complementary

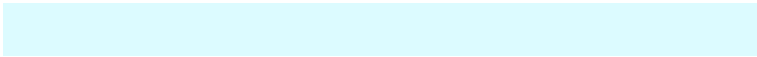
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7873, 94.6286, 124.8218



83.0551, 94.6286, 71.6453



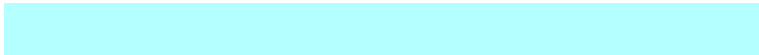
89.9091, 94.6286, 149.2756

Square

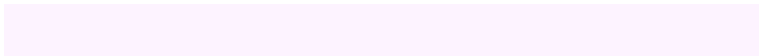
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



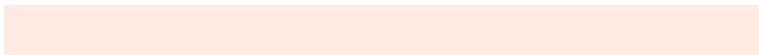
83.0551, 94.6286, 71.6453



78.1837, 94.6286, 124.6383



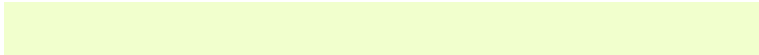
97.1987, 94.6286, 142.4670



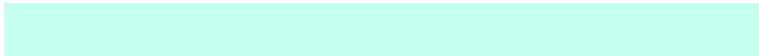
102.8230, 94.6286, 84.0834

Rectangle

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



83.0551, 94.6286, 71.6453



76.6776, 94.6286, 96.0465



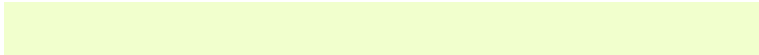
97.1987, 94.6286, 142.4670



104.6534, 94.6286, 110.3534

Sweetspot

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



83.0556, 94.6288, 71.6467



91.1251, 98.2500, 96.3659



77.4181, 75.9846, 68.3451



19.4160, 20.9900, 20.3474



0.0000, 0.0000, 0.0000



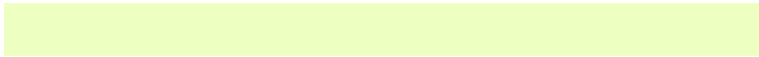
20.3446, 21.4041, 23.3091

Same Dimension

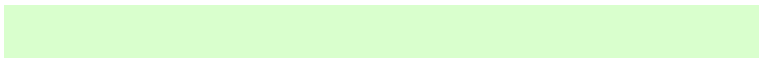
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0556, 94.6288, 71.6467



80.6895, 93.5597, 64.7273



75.2965, 90.6288, 71.2836



19.0363, 20.8202, 19.1597



29.1172, 42.7485, 6.7167



2.9416, 4.2172, 0.6590

Inverse Universe

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



69.0957, 65.9440, 103.6945



64.1429, 59.5540, 102.7221



76.9593, 69.9978, 104.0625



17.4804, 17.6239, 22.7304



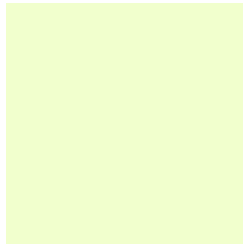
10.9287, 4.5445, 49.7357



1.1650, 0.4945, 4.8473

Previews

White Background



This preview shows how the XYZ color 83.0551, 94.6286, 71.6453 looks on a white background.

Color Contrast Check

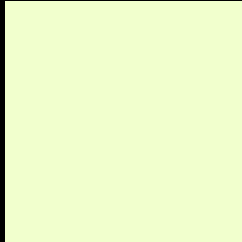
Large Text (above 18pt) WCAG AA × Fail

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 83.0551, 94.6286, 71.6453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

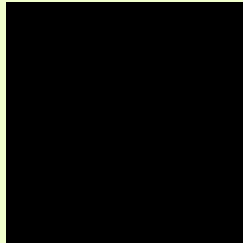
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

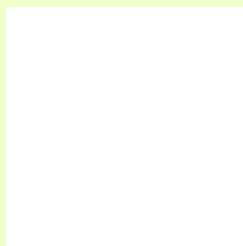
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0551, 94.6286, 71.6453

Background



This preview shows how black text looks on a background with the XYZ color 83.0551, 94.6286, 71.6453.



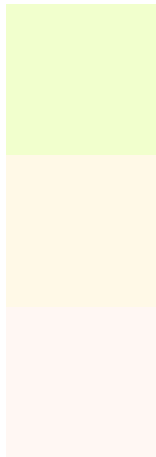
This preview shows how white text looks on a background with the XYZ color 83.0551, 94.6286,

71.6453.

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

83.0551, 94.6286, 71.6453

Protanopia

89.5395, 94.7809, 89.1766

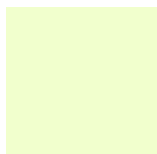
Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

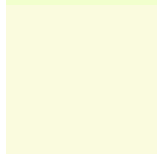
90.6843, 94.4945, 108.0674

Trichromacy



Original Color

83.0551, 94.6286, 71.6453



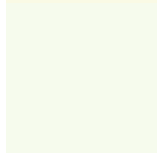
Protanomaly

87.1063, 94.5923, 82.7744



Deuteranomaly

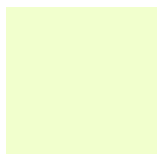
87.7528, 94.3524, 87.7155



Tritanomaly

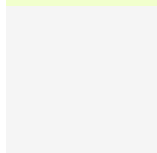
87.7893, 94.7016, 93.7730

Monochromacy



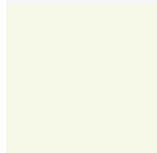
Original Color

83.0551, 94.6286, 71.6453



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 83.0551, 94.6286, 71.6453 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(241, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 205)  
}
```

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(241, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 83.0551, 94.6286, 71.6453 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(241, 255, 205) }
```


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

```
.border{ border-color:rgb(241, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0551, 94.6286, 71.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 205) }
```

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

```
.background{ background-color: rgb(241,  
255, 205) }
```

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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