

Converting Colors

XYZ(83.6629, 94.9163, 76.8749)

Have a look what the booklet for
XYZ(83.6629, 94.9163, 76.8749)
contains.

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Color

**XYZ(83.7054, 94.8494,
76.8468)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFD5
RGB	240, 255, 213
RGB Percent	94%, 100%, 84%
CMY	0.0588, 0.0000, 0.1647
CMYK	0.06, 0.00, 0.16, 0.00
HSL	81°, 100%, 92%
HSV	81°, 16%, 100%
XYZ	83.7054, 94.8494, 76.8468
YIQ	245.7270, 4.5420, -16.2420

Conversions

Conversions Part 2

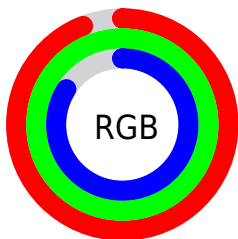
Format	Color
R_{YB}	213, 255, 228
Decimal	15794133
CIE _{Lab}	97.97, -12.00, 18.44
CIE _{LCh}	98, 21.999, 123.057
Y _{xy}	94.8494, 0.3277, 0.3714
Android (android.graphics.Color)	4293984213 (0xFFFF0FFD5)
YUV	245.7270, -16.1344, -5.0226
Hunter-Lab	97.3907, -17.0163, 21.3903

Details

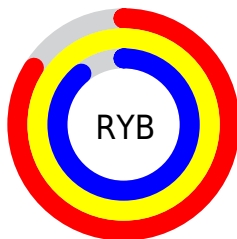
The XYZ color **83.7054, 94.8494, 76.8468** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.8401, 71.3037, 104.4789**, and the grayscale version is **87.4998, 92.0566, 100.2496**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1328, 53.0471, 40.1554** is the 20% darker color. If you saturate the color by 10%, you get **77.7042, 92.1007, 60.9778**, and if you desaturate by 10%, it is **90.3719, 97.8822, 95.4062**.

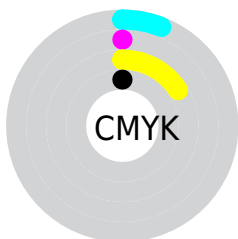
Distribution



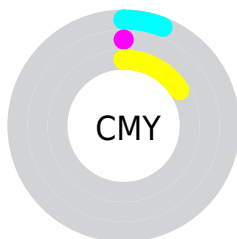
- Red (94%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7054, 94.8494, 76.8468 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 83.7054, 94.8494, 76.8468 by changing the saturation by 10% instead.


 83.7054, 94.8494,
76.8468

 83.7054, 94.8494,
76.8468


495.8829,
543.6827, 503.6653

 63.0911, 72.0096,
56.6163


137.4864,
154.0565, 130.6942

 46.1739, 53.1665,
40.2900


171.3838,
191.1927, 165.1483

 32.5882, 37.9357,
27.4492


210.4397,
233.8631, 205.1806

 21.9689, 25.9328,
17.6755

255.0193,
282.4521, 251.2098

 13.9505, 16.7734,
10.5502

305.4881,
337.3442, 303.6543

 8.1677, 10.0731,
5.6549

362.2114,

 4.2552, 5.4474,

398.9238, 362.9327

2.5710

425.5545,
467.5751, 429.4635

■ 1.8475, 2.5121,
0.8774

■ 0.5460, 0.8827,
0.0000

■ 83.7054, 94.8494,
76.8468

■ 83.7054, 94.8494,
76.8468

■ 77.7042, 92.1007,
60.9778

■ 90.3719, 97.8822,
95.4062

■ 72.3407, 89.6246,
47.6699

95.0500, 100.0000,
108.9000

■ 67.5874, 87.4102,
36.7897

■ 63.4142, 85.4448,
28.1897

■ 59.7875, 83.7149,
21.7067

■ 56.6698, 82.2052,
17.1556

■ 54.0174, 80.8978,
14.3195

■ 51.7762, 79.7709,
12.9269

■ 51.0552, 79.4050,
12.6358

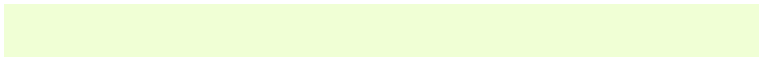
Harmonies

Analogous

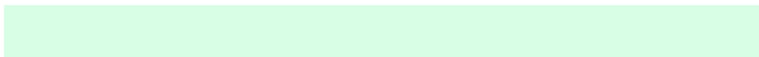
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5072, 94.8494, 72.3670



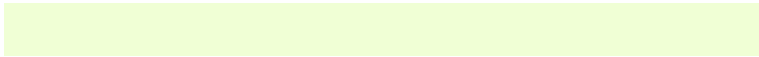
83.7054, 94.8494, 76.8468



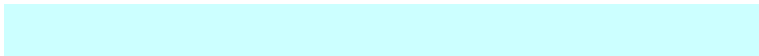
79.7804, 94.8494, 88.3427

Triad

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



83.7054, 94.8494, 76.8468



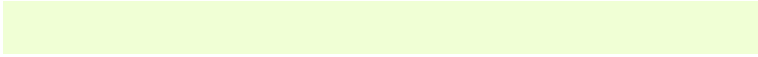
84.7746, 94.8494, 137.3833



102.7941, 94.8494, 101.4363

Complementary

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



83.7054, 94.8494, 76.8468



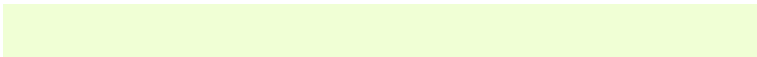
73.8401, 71.3037, 104.4789

Split Complementary

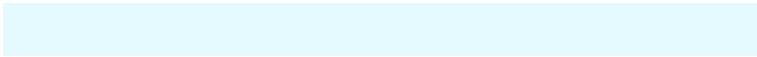
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3846, 94.8494, 119.8015



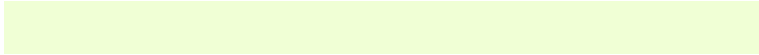
83.7054, 94.8494, 76.8468



90.7989, 94.8494, 141.9265

Square

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



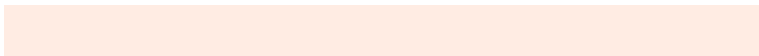
83.7054, 94.8494, 76.8468



80.3772, 94.8494, 123.3733



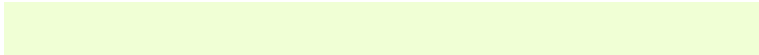
96.9203, 94.8494, 135.1582



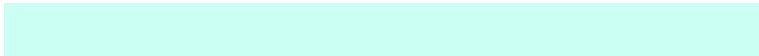
100.6878, 94.8494, 85.4871

Rectangle

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



83.7054, 94.8494, 76.8468



78.6559, 94.8494, 99.1385



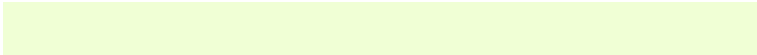
96.9203, 94.8494, 135.1582



102.7160, 94.8494, 107.5247

Sweetspot

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



83.7060, 94.8496, 76.8482



91.4091, 98.3524, 98.3675



80.9118, 81.3868, 74.3969



19.4588, 21.0032, 20.7500



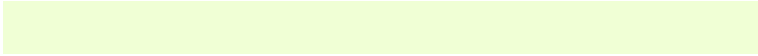
0.0000, 0.0000, 0.0000



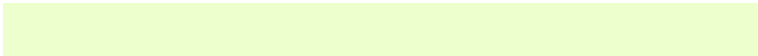
20.3446, 21.4041, 23.3091

Same Dimension

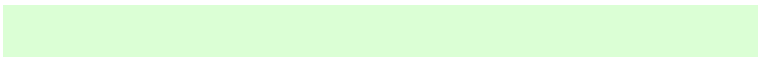
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7060, 94.8496, 76.8482



81.5127, 93.8473, 70.9449



77.0748, 91.4311, 76.5379



18.8950, 20.7473, 19.1531



26.8462, 41.5778, 6.6104



2.7331, 4.1097, 0.6492

Inverse Universe

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



73.8401, 71.3037, 104.4789



69.8327, 65.9692, 103.6605



80.8049, 74.8942, 104.8049



17.6152, 17.6934, 22.7367



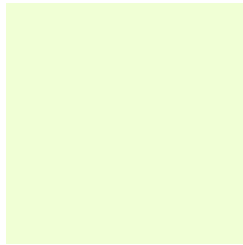
11.8366, 5.0125, 49.7782



1.2664, 0.5468, 4.8521

Previews

White Background



This preview shows how the XYZ color 83.7054, 94.8494, 76.8468 looks on a white background.

Color Contrast Check

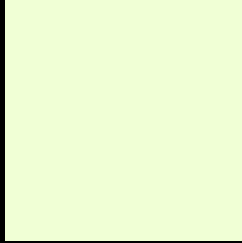
Large Text (above 18pt) WCAG AA × Fail

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 83.7054, 94.8494, 76.8468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

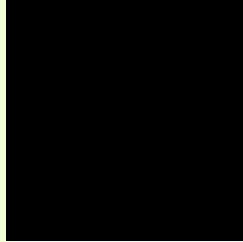
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

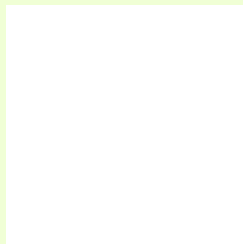
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7054, 94.8494, 76.8468

Background



This preview shows how black text looks on a background with the XYZ color 83.7054, 94.8494, 76.8468.



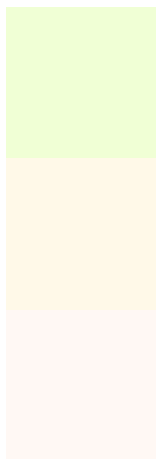
This preview shows how white text looks on a background with the XYZ color 83.7054, 94.8494,

76.8468.

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

83.7054, 94.8494, 76.8468

Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

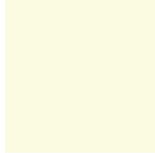
90.6843, 94.4945, 108.0674

Trichromacy



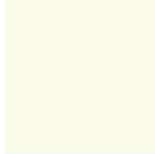
Original Color

83.7054, 94.8494, 76.8468



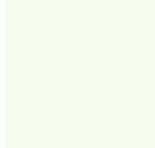
Protanomaly

87.5121, 94.7546, 84.9112



Deuteranomaly

88.6295, 95.2015, 90.7953



Tritanomaly

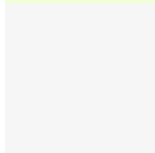
88.2314, 94.8785, 96.1012

Monochromacy



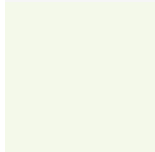
Original Color

83.7054, 94.8494, 76.8468



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.0352, 92.9250, 91.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7054, 94.8494, 76.8468 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(240, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 213)  
}
```

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(240, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 83.7054, 94.8494, 76.8468 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(240, 255, 213) }
```


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

```
.border{ border-color:rgb(240, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7054, 94.8494, 76.8468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 213) }
```

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

```
.background{ background-color: rgb(240,  
255, 213) }
```

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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