

Converting Colors

XYZ(83.6540, 94.5520, 83.9843)

Have a look what the booklet for
XYZ(83.6540, 94.5520, 83.9843)
contains.

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Color

**XYZ(83.6714, 94.6806,
83.6773)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFDF
RGB	236, 255, 223
RGB Percent	93%, 100%, 87%
CMY	0.0745, 0.0000, 0.1255
CMYK	0.07, 0.00, 0.13, 0.00
HSL	96°, 100%, 94%
HSV	96°, 13%, 100%
XYZ	83.6714, 94.6806, 83.6773
YIQ	245.6710, -1.0520, -13.9800

Conversions

Conversions Part 2

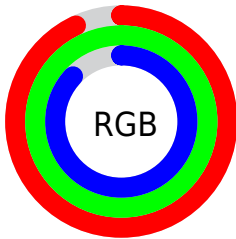
Format	Color
R _Y B	223, 255, 242
Decimal	15531999
CIE Lab	97.91, -11.77, 13.19
CIE LCh	98, 17.683, 131.742
Yxy	94.6806, 0.3193, 0.3613
Android (android.graphics.Color)	4293722079 (0xFFECCFFDF)
YUV	245.6710, -11.1768, -8.4815
Hunter-Lab	97.3040, -16.7903, 17.1259

Details

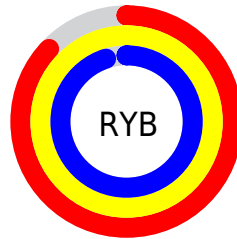
The XYZ color **83.6714, 94.6806, 83.6773** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.0564, 78.8738, 105.5598**, and the grayscale version is **87.4191, 91.9717, 100.1572**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0844, 52.9186, 44.8312** is the 20% darker color. If you saturate the color by 10%, you get **75.6721, 90.9246, 66.6873**, and if you desaturate by 10%, it is **92.6161, 98.8641, 103.4171**.

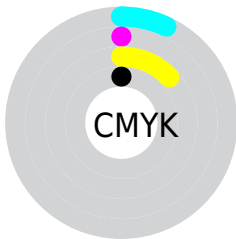
Distribution



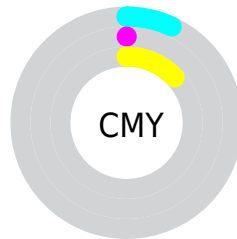
- Red (93%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6714, 94.6806, 83.6773 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 83.6714, 94.6806, 83.6773 by changing the saturation by 10% instead.


 83.6714, 94.6806,
83.6773

 83.6714, 94.6806,
83.6773


495.7715,
543.1420, 527.2710

 63.0630, 71.8692,
62.2052


137.4391,
153.8233, 140.3814

 46.1510, 53.0518,
44.7617


171.3290,
190.9233, 176.4504

 32.5701, 37.8441,
30.9282


210.3768,
233.5550, 218.2222

 21.9550, 25.8617,
20.2861

254.9479,
282.1027, 266.1153

 13.9402, 16.7202,
12.4171

305.4075,
336.9509, 320.5481

 8.1605, 10.0352,
6.9024

362.1211,

 4.2505, 5.4223,

398.4839, 381.9394

3.3236

425.4540,
467.0861, 450.7075

■ 1.8448, 2.4971,
1.2622

■ 0.5444, 0.8752,
0.0305

■ 83.6714, 94.6806,
83.6773

■ 83.6714, 94.6806,
83.6773

■ 75.6721, 90.9246,
66.6873

■ 92.6161, 98.8641,
103.4171

■ 68.5826, 87.5805,
52.3208

95.0500, 100.0000,
108.9000

■ 62.3678, 84.6330,
40.4480

■ 56.9893, 82.0654,
30.9264

■ 52.4055, 79.8598,
23.5989

■ 48.5706, 77.9964,
18.2896

■ 45.4328, 76.4529,
14.7950

■ 42.9317, 75.2036,
12.8692

■ 41.4220, 74.4389,
12.1850

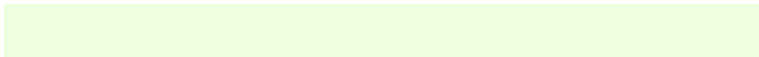
Harmonies

Analogous

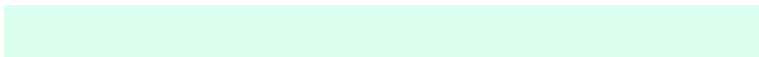
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0268, 94.6806, 78.1593



83.6714, 94.6806, 83.6773



81.0693, 94.6806, 94.6102

Triad

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



83.6714, 94.6806, 83.6773



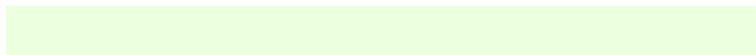
86.9789, 94.6806, 131.8623



99.8508, 94.6806, 97.5274

Complementary

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



83.6714, 94.6806, 83.6773



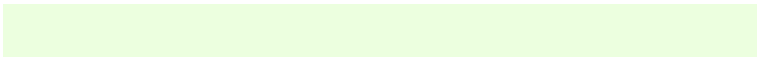
81.0564, 78.8738, 105.5598

Split Complementary

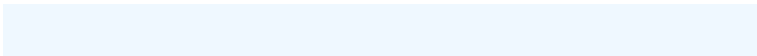
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5445, 94.6806, 112.0642



83.6714, 94.6806, 83.6773



91.9843, 94.6806, 132.8301

Square

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



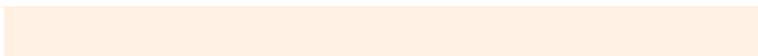
83.6714, 94.6806, 83.6773



82.9290, 94.6806, 122.7648



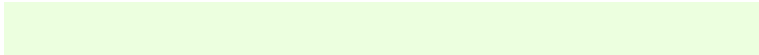
96.6212, 94.6806, 125.2969



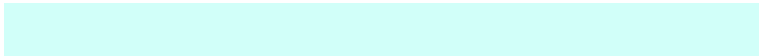
97.4431, 94.6806, 85.6402

Rectangle

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



83.6714, 94.6806, 83.6773



80.6177, 94.6806, 103.9397



96.6212, 94.6806, 125.2969



100.0642, 94.6806, 102.2470

Sweetspot

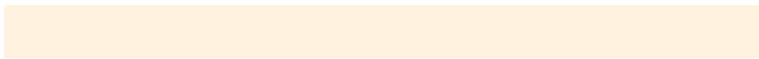
The Sweet Spot groups the original color and five complimentary colors.



83.6721, 94.6809, 83.6787



91.2578, 98.2298, 100.3766



86.2128, 89.8943, 82.6209



19.3840, 20.9556, 21.1526



0.0000, 0.0000, 0.0000



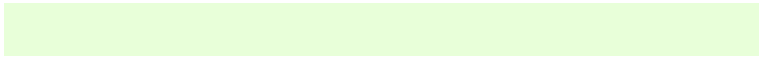
20.3446, 21.4041, 23.3091

Same Dimension

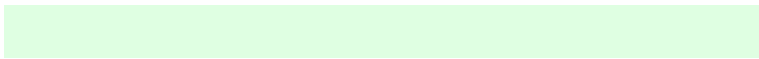
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6721, 94.6809, 83.6787



81.6246, 93.7210, 79.2632



79.8741, 92.6811, 85.3927



18.4702, 20.5283, 19.1332



21.8024, 38.9776, 6.3743



2.2428, 3.8569, 0.6263

Inverse Universe

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



81.0564, 78.8738, 105.5598



78.5508, 75.1479, 104.9727



85.2518, 81.0859, 103.5307



18.0372, 17.9109, 22.7564



16.3130, 7.3201, 49.9877



1.7122, 0.7766, 4.8729

Previews

White Background



This preview shows how the XYZ color 83.6714, 94.6806, 83.6773 looks on a white background.

Color Contrast Check

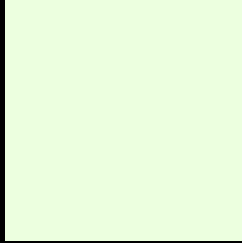
Large Text (above 18pt) WCAG AA × Fail

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 83.6714, 94.6806, 83.6773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

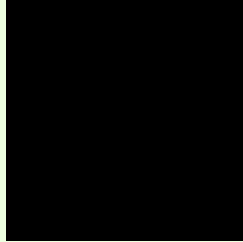
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

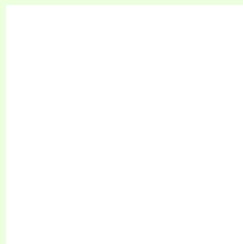
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6714, 94.6806, 83.6773

Background



This preview shows how black text looks on a background with the XYZ color 83.6714, 94.6806, 83.6773.



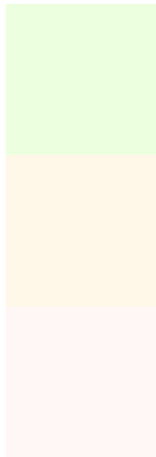
This preview shows how white text looks on a background with the XYZ color 83.6714, 94.6806,

83.6773.

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

83.6714, 94.6806, 83.6773

Protanopia

89.5154, 94.2780, 90.5703

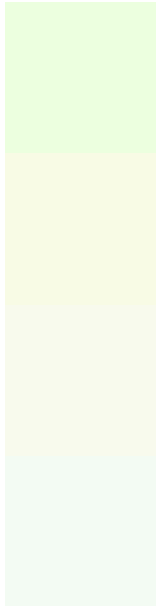
Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

83.6714, 94.6806, 83.6773

Protanomaly

87.3514, 94.6080, 87.7860

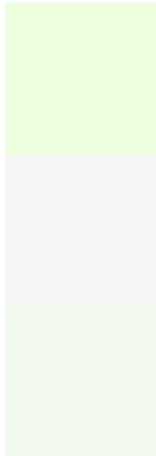
Deuteranomaly

88.1831, 94.4421, 93.7022

Tritanomaly

87.6370, 94.5201, 98.4193

Monochromacy



Original Color

83.6714, 94.6806, 83.6773

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

85.9262, 92.8017, 94.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6714, 94.6806, 83.6773 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(236, 255, 223) looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 223)  
}
```

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(236, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 83.6714, 94.6806, 83.6773 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(236, 255, 223) }
```


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

```
.border{ border-color:rgb(236, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6714, 94.6806, 83.6773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 223) }
```

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

```
.background{ background-color: rgb(236,  
255, 223) }
```

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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