

Converting Colors

XYZ(83.1295, 94.6025, 74.5602)

Have a look what the booklet for
XYZ(83.1295, 94.6025, 74.5602)
contains.

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Color

**XYZ(83.3280, 94.6984,
74.8595)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFD2
RGB	240, 255, 210
RGB Percent	94%, 100%, 82%
CMY	0.0588, 0.0000, 0.1765
CMYK	0.06, 0.00, 0.18, 0.00
HSL	80°, 100%, 91%
HSV	80°, 18%, 100%
XYZ	83.3280, 94.6984, 74.8595
YIQ	245.3850, 5.5050, -17.1750

Conversions

Conversions Part 2

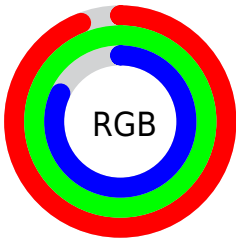
Format	Color
R _Y B	210, 255, 225
Decimal	15794130
CIE Lab	97.91, -12.46, 19.88
CIE LCh	98, 23.464, 122.076
Yxy	94.6984, 0.3295, 0.3745
Android (android.graphics.Color)	4293984210 (0xFFFF0FFD2)
YUV	245.3850, -17.4448, -4.7226
Hunter-Lab	97.3131, -17.4506, 22.5095

Details

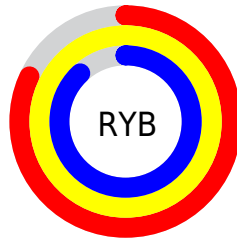
The XYZ color **83.3280, 94.6984, 74.8595** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.1488, 69.3220, 104.1856**, and the grayscale version is **87.2334, 91.7763, 99.9444**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8776, 52.9451, 38.8118** is the 20% darker color. If you saturate the color by 10%, you get **77.5814, 92.0742, 59.3069**, and if you desaturate by 10%, it is **89.7172, 97.5953, 93.0873**.

Distribution



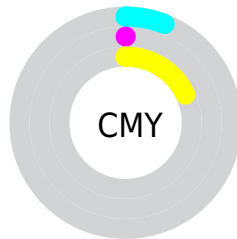
- Red (94%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (88%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3280, 94.6984, 74.8595 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 83.3280, 94.6984, 74.8595 by changing the saturation by 10% instead.


 83.3280, 94.6984,
74.8595

 83.3280, 94.6984,
74.8595


494.6464,
543.1990, 496.6770

 62.7786, 71.8840,
54.9968

136.9609,
153.8479, 127.8587

 45.9201, 53.0639,
39.0005


170.7751,
190.9517, 161.8323

 32.3871, 37.8538,
26.4523


209.7416,
233.5875, 201.3465

 21.8143, 25.8692,
16.9335

254.2258,
282.1395, 246.8200

 13.8364, 16.7258,
10.0257

304.5930,
336.9923, 298.6713

 8.0879, 10.0392,
5.3101

361.2086,

 4.2035, 5.4250,

398.5303, 357.3188

2.3685

424.4380,
467.1377, 423.1812

■ 1.8179, 2.4987,
0.7692

■ 0.5284, 0.8760,
0.0000

■ 83.3280, 94.6984,
74.8595

■ 83.3280, 94.6984,
74.8595

■ 77.5814, 92.0742,
59.3069

■ 89.7172, 97.5953,
93.0873

■ 72.4499, 89.7114,
46.2993

95.0500, 100.0000,
108.9000

■ 67.9064, 87.5990,
35.7018

■ 63.9208, 85.7247,
27.3655

■ 60.4596, 84.0750,
21.1247

■ 57.4852, 82.6344,
16.7914

■ 54.9533, 81.3852,
14.1439

■ 52.8065, 80.3040,
12.8894

■ 52.3377, 80.0661,
12.6958

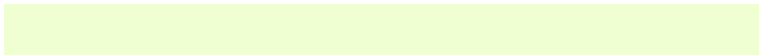
Harmonies

Analogous

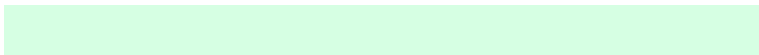
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5414, 94.6984, 70.4131



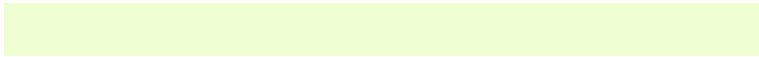
83.3280, 94.6984, 74.8595



79.0813, 94.6984, 86.7544

Triad

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



83.3280, 94.6984, 74.8595



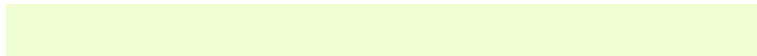
84.0994, 94.6984, 139.3310



103.5289, 94.6984, 101.7776

Complementary

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



83.3280, 94.6984, 74.8595



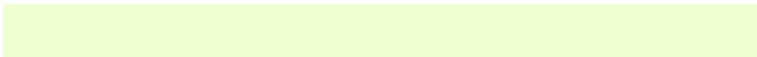
72.1488, 69.3220, 104.1856

Split Complementary

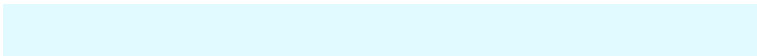
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.8975, 94.6984, 121.4030



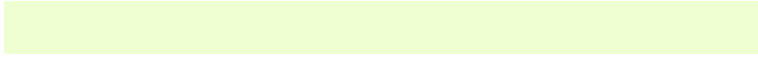
83.3280, 94.6984, 74.8595



90.4762, 94.6984, 144.6262

Square

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



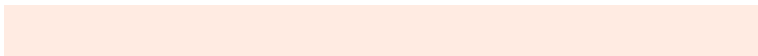
83.3280, 94.6984, 74.8595



79.5108, 94.6984, 124.0066



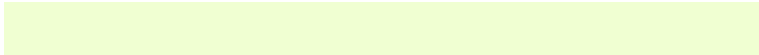
97.0358, 94.6984, 137.7013



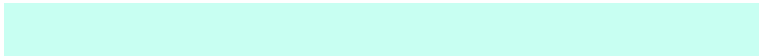
101.3906, 94.6984, 84.7044

Rectangle

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



83.3280, 94.6984, 74.8595



77.8228, 94.6984, 98.0992



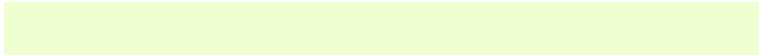
97.0358, 94.6984, 137.7013



103.4030, 94.6984, 108.2896

Sweetspot

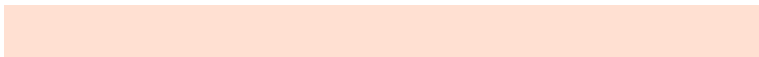
The Sweet Spot groups the original color and five complimentary colors.



83.3286, 94.6987, 74.8609



91.5183, 98.4087, 98.3726



79.5964, 79.3598, 72.0969



19.4853, 21.0169, 20.7513



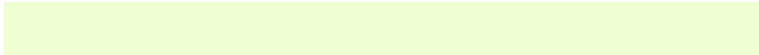
0.0000, 0.0000, 0.0000



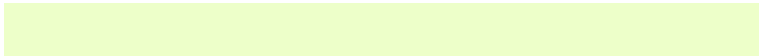
20.3446, 21.4041, 23.3091

Same Dimension

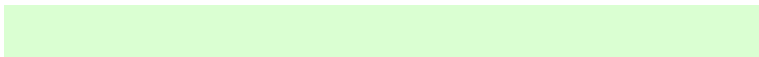
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3286, 94.6987, 74.8609



81.3309, 93.7886, 69.3527



76.3819, 91.1175, 74.5358



18.9384, 20.7697, 19.1551



27.5125, 41.9213, 6.6416



2.7948, 4.1415, 0.6521

Inverse Universe

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



72.1488, 69.3220, 104.1856



68.3454, 64.3100, 103.4186



79.3669, 73.0430, 104.5234



17.5734, 17.6718, 22.7347



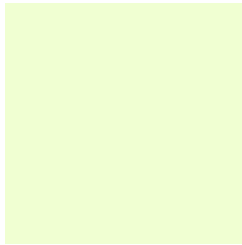
11.5296, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 83.3280, 94.6984, 74.8595 looks on a white background.

Color Contrast Check

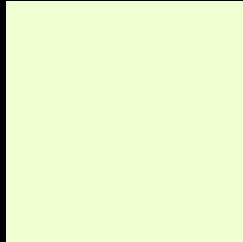
Large Text (above 18pt) WCAG AA × Fail

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 83.3280, 94.6984, 74.8595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

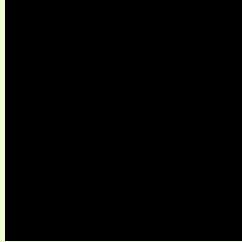
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

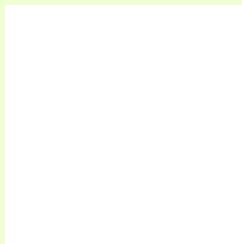
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3280, 94.6984, 74.8595

Background



This preview shows how black text looks on a background with the XYZ color 83.3280, 94.6984, 74.8595.



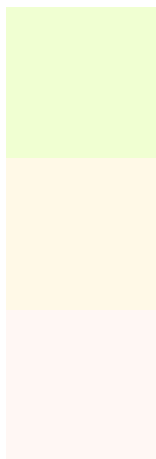
This preview shows how white text looks on a background with the XYZ color 83.3280, 94.6984,

74.8595.

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

83.3280, 94.6984, 74.8595

Protanopia

89.5395, 94.7809, 89.1766

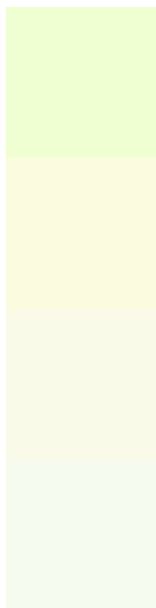
Deuteranopia

90.8299, 94.3132, 99.0050

Tritanopia

90.6843, 94.4945, 108.0674

Trichromacy



Original Color

83.3280, 94.6984, 74.8595

Protanomaly

87.2408, 94.6461, 83.4825

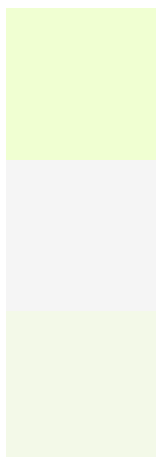
Deuteranomaly

88.1754, 94.5214, 89.9410

Tritanomaly

88.0832, 94.8192, 95.3208

Monochromacy



Original Color

83.3280, 94.6984, 74.8595

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4033, 92.6322, 89.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3280, 94.6984, 74.8595 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, 210) looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 83.3280, 94.6984, 74.8595 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, 210) }
```


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

```
.border{ border-color:rgb(240, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3280, 94.6984, 74.8595 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, 210) }
```

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

```
.background{ background-color: rgb(240,  
255, 210) }
```

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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