

Converting Colors

XYZ(87.4172, 100.0000,
84.7394)

Have a look what the booklet for
XYZ(87.4172, 100.0000, 84.7394)
contains.

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Color

**XYZ(85.0145, 95.3730,
83.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFDF
RGB	240, 255, 223
RGB Percent	94%, 100%, 87%
CMY	0.0588, 0.0000, 0.1255
CMYK	0.06, 0.00, 0.13, 0.00
HSL	88°, 100%, 94%
HSV	88°, 13%, 100%
XYZ	85.0145, 95.3730, 83.7401
YIQ	246.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

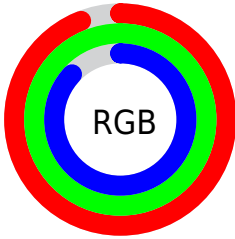
Format	Color
R _Y B	223, 255, 238
Decimal	15794143
CIE Lab	98.18, -10.42, 13.63
CIE LCh	98, 17.152, 127.396
Yxy	95.3730, 0.3219, 0.3611
Android (android.graphics.Color)	4293984223 (0xFFFF0FFDF)
YUV	246.8670, -11.7664, -6.0224
Hunter-Lab	97.6591, -15.5151, 17.5218

Details

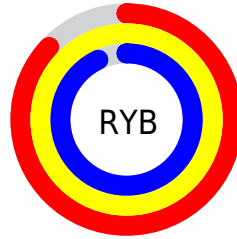
The XYZ color **85.0145, 95.3730, 83.7401** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.6983, 78.1736, 105.4962**, and the grayscale version is **88.3913, 92.9945, 101.2710**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0291, 53.4057, 44.8754** is the 20% darker color. If you saturate the color by 10%, you get **77.9060, 92.0762, 66.7918**, and if you desaturate by 10%, it is **92.9096, 99.0154, 103.4308**.

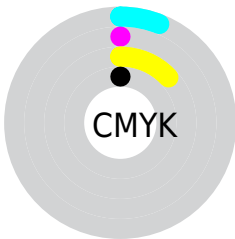
Distribution



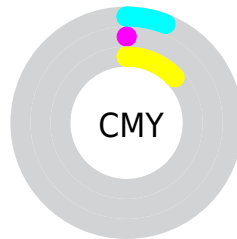
- Red (94%)
- Green (100%)
- Blue (87%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0145, 95.3730, 83.7401 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 85.0145, 95.3730, 83.7401 by changing the saturation by 10% instead.


 85.0145, 95.3730,
83.7401

 85.0145, 95.3730,
83.7401


500.1590,
545.3584, 527.4853

 64.1759, 72.4455,
62.2567


139.3074,
154.7798, 140.4700

 47.0554, 53.5226,
44.8030


173.4923,
192.0279, 176.5537

 33.2876, 38.2202,
30.9605


212.8568,
234.8183, 218.3412

 22.5071, 26.1536,
20.3106

257.7661,
283.5353, 266.2511

 14.3487, 16.9386,
12.4347

308.5856,
338.5635, 320.7019

 8.4469, 10.1907,
6.9143

365.6807,

 4.4364, 5.5256,

400.2871, 382.1122

3.3309

429.4167,
469.0906, 450.9004

■ 1.9519, 2.5588,
1.2660

■ 0.6067, 0.9060,
0.0337

■ 85.0145, 95.3730,
83.7401

■ 85.0145, 95.3730,
83.7401

■ 77.9060, 92.0762,
66.7918

■ 92.9096, 99.0154,
103.4308

■ 71.5538, 89.1121,
52.4598

95.0500, 100.0000,
108.9000

■ 65.9285, 86.4686,
40.6146

■ 60.9977, 84.1318,
31.1139

■ 56.7261, 82.0872,
23.8011

■ 53.0746, 80.3183,
18.5003

■ 49.9987, 78.8067,
15.0087

■ 47.4455, 77.5305,
13.0804

■ 45.8278, 76.7101,
12.3912

Harmonies

Analogous

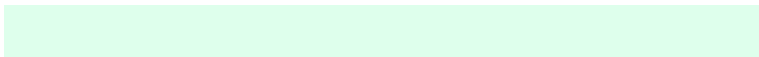
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4347, 95.3730, 79.1876



85.0145, 95.3730, 83.7401



82.1785, 95.3730, 93.7582

Triad

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



85.0145, 95.3730, 83.7401



87.0551, 95.3730, 130.9711



100.3760, 95.3730, 100.3902

Complementary

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



85.0145, 95.3730, 83.7401



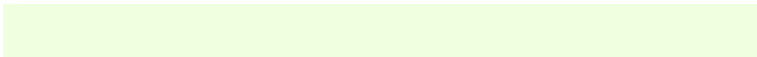
79.6983, 78.1736, 105.4962

Split Complementary

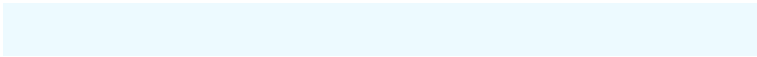
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.6828, 95.3730, 114.6304



85.0145, 95.3730, 83.7401



91.8746, 95.3730, 133.1533

Square

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



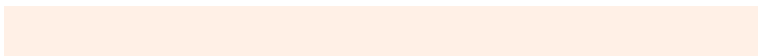
85.0145, 95.3730, 83.7401



83.3266, 95.3730, 121.2162



96.5275, 95.3730, 126.9348



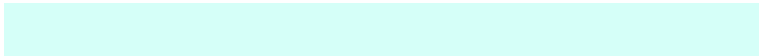
98.3887, 95.3730, 88.2181

Rectangle

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



85.0145, 95.3730, 83.7401



81.5076, 95.3730, 102.6167



96.5275, 95.3730, 126.9348



100.4499, 95.3730, 105.0830

Sweetspot

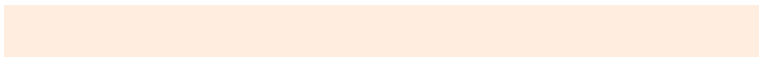
The Sweet Spot groups the original color and five complimentary colors.



85.0152, 95.3733, 83.7415



91.7137, 98.4648, 100.3980



85.1150, 87.6987, 82.2549



19.4993, 21.0151, 21.1580



0.0000, 0.0000, 0.0000



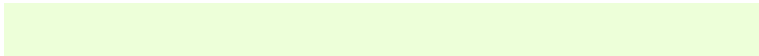
20.3446, 21.4041, 23.3091

Same Dimension

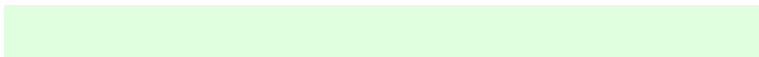
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0152, 95.3733, 83.7415



83.2006, 94.5335, 79.3369



79.8413, 92.7061, 83.4994



18.6930, 20.6432, 19.1436



24.1201, 40.1724, 6.4828



2.4747, 3.9765, 0.6371

Inverse Universe

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



79.6983, 78.1736, 105.4962



76.9536, 74.3245, 104.8979



85.2869, 81.0547, 105.7578



17.8126, 17.7951, 22.7459



13.6136, 5.9286, 49.8614



1.4503, 0.6416, 4.8607

Previews

White Background



This preview shows how the XYZ color 85.0145, 95.3730, 83.7401 looks on a white background.

Color Contrast Check

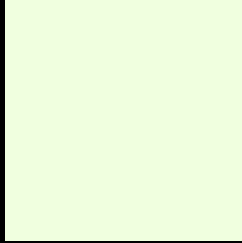
Large Text (above 18pt) WCAG AA × Fail

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 85.0145, 95.3730, 83.7401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

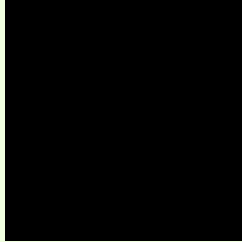
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

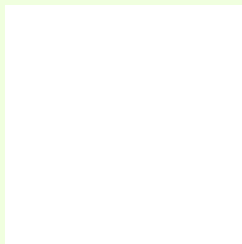
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.0145, 95.3730, 83.7401

Background



This preview shows how black text looks on a background with the XYZ color 85.0145, 95.3730, 83.7401.



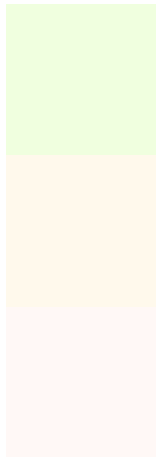
This preview shows how white text looks on a background with the XYZ color 85.0145, 95.3730,

83.7401.

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

85.0145, 95.3730, 83.7401

Protanopia

90.2560, 95.0675, 92.9497

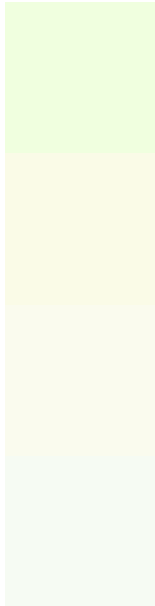
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.9926, 95.1111, 108.1702

Trichromacy



Original Color

85.0145, 95.3730, 83.7401

Protanomaly

88.3453, 95.0879, 89.2988

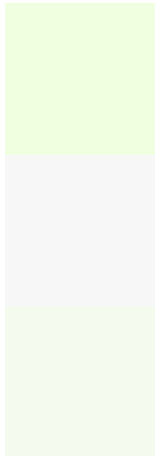
Deuteranomaly

89.3541, 95.4914, 94.6111

Tritanomaly

88.6809, 95.0583, 98.4681

Monochromacy



Original Color

85.0145, 95.3730, 83.7401

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

86.9265, 93.7774, 94.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0145, 95.3730, 83.7401 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 85.0145, 95.3730, 83.7401 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, 223) }
```


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

```
.border{ border-color:rgb(240, 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(240, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0145, 95.3730, 83.7401 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, 223) }
```

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

```
.background{ background-color: rgb(240,  
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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