

Converting Colors

XYZ(87.2565, 100.0000,
74.7751)

Have a look what the booklet for
XYZ(87.2565, 100.0000, 74.7751)
contains.

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Color

**XYZ(85.2747, 95.7163,
74.3022)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFD1
RGB	246, 255, 209
RGB Percent	96%, 100%, 82%
CMY	0.0353, 0.0000, 0.1804
CMYK	0.04, 0.00, 0.18, 0.00
HSL	72°, 100%, 91%
HSV	72°, 18%, 100%
XYZ	85.2747, 95.7163, 74.3022
YIQ	247.0650, 9.4020, -16.2140

Conversions

Conversions Part 2

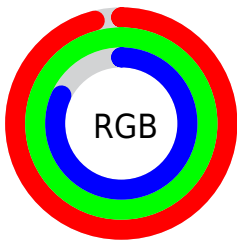
Format	Color
RYB	209, 255, 218
Decimal	16187345
CIELab	98.32, -10.52, 21.02
CIElCh	98, 23.505, 116.574
Yxy	95.7163, 0.3340, 0.3749
Android (android.graphics.Color)	4294377425 (0xFFFF6FFD1)
YUV	247.0650, -18.7660, -0.9340
Hunter-Lab	97.8347, -15.6265, 23.4555

Details

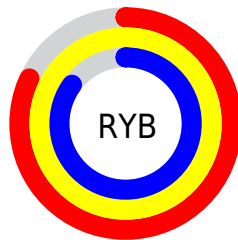
The XYZ color **85.2747, 95.7163, 74.3022** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.7647, 67.7275, 104.0035**, and the grayscale version is **88.6027, 93.2169, 101.5132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0131, 53.5401, 38.4283** is the 20% darker color. If you saturate the color by 10%, you get **80.6394, 93.6628, 58.9028**, and if you desaturate by 10%, it is **90.4635, 97.9967, 92.3679**.

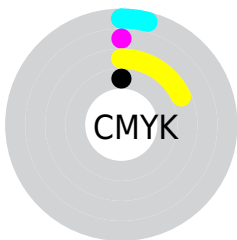
Distribution



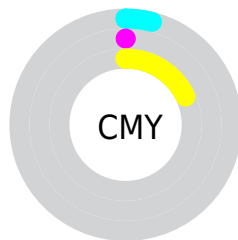
- Red (96%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.2747, 95.7163, 74.3022 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 85.2747, 95.7163, 74.3022 by changing the saturation by 10% instead.

 85.2747, 95.7163,
74.3022

 85.2747, 95.7163,
74.3022


501.0066,
546.4556, 494.7070

 64.3916, 72.7313,
54.5431


139.6690,
155.2538, 127.0621

 47.2308, 53.7563,
38.6399


173.9109,
192.5751, 160.9000

 33.4269, 38.4068,
26.1741


213.3364,
235.4440, 200.2679

 22.6145, 26.2986,
16.7270

258.3110,
284.2448, 245.5845

 14.4282, 17.0472,
9.8801

309.2000,
339.3620, 297.2681

 8.5028, 10.2681,
5.2150

366.3686,

 4.4728, 5.5771,

401.1799, 355.7373

2.3130

430.1824,
470.0830, 421.4108

■ 1.9729, 2.5897,
0.7385

■ 0.6187, 0.9215,
0.0000

■ 85.2747, 95.7163,
74.3022

■ 85.2747, 95.7163,
74.3022

■ 80.6394, 93.6628,
58.9028

■ 90.4635, 97.9967,
92.3679

■ 76.5316, 91.8256,
46.0391

95.0500, 100.0000,
108.9000

■ 72.9255, 90.1944,
35.5760

■ 69.7923, 88.7577,
27.3640

■ 67.1002, 87.5027,
21.2368

■ 64.8129, 86.4149,
17.0054

■ 62.8875, 85.4769,
14.4464

■ 61.2661, 84.6657,
13.2567

■ 60.9677, 84.5151,
13.0997

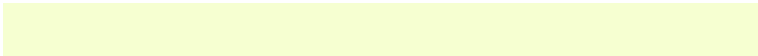
Harmonies

Analogous

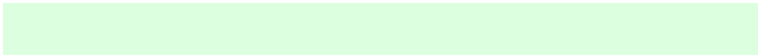
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7557, 95.7163, 71.2544



85.2747, 95.7163, 74.3022



80.5366, 95.7163, 84.9993

Triad

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



85.2747, 95.7163, 74.3022



83.9906, 95.7163, 138.5375



104.6000, 95.7163, 106.4628

Complementary

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



85.2747, 95.7163, 74.3022



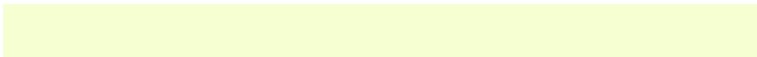
69.7647, 67.7275, 104.0035

Split Complementary

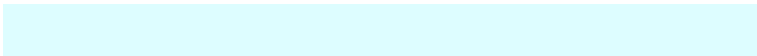
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.2795, 95.7163, 126.1367



85.2747, 95.7163, 74.3022



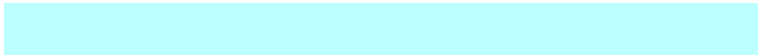
90.1997, 95.7163, 146.0444

Square

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



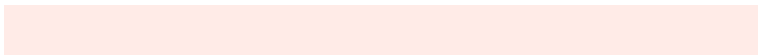
85.2747, 95.7163, 74.3022



79.8214, 95.7163, 121.8045



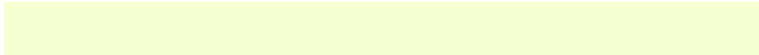
96.9248, 95.7163, 141.2486



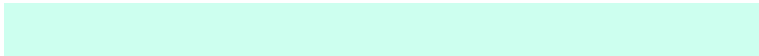
103.1230, 95.7163, 88.4128

Rectangle

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



85.2747, 95.7163, 74.3022



78.8906, 95.7163, 95.7990



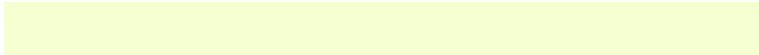
96.9248, 95.7163, 141.2486



104.2354, 95.7163, 113.1180

Sweetspot

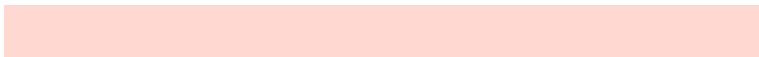
The Sweet Spot groups the original color and five complimentary colors.



85.2753, 95.7166, 74.3036



92.1528, 98.7358, 98.4023



77.6740, 75.7138, 70.8433



19.6399, 21.0965, 20.7585



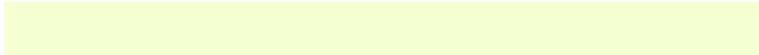
0.0000, 0.0000, 0.0000



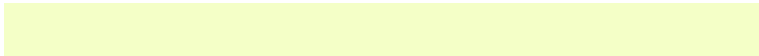
20.3446, 21.4041, 23.3091

Same Dimension

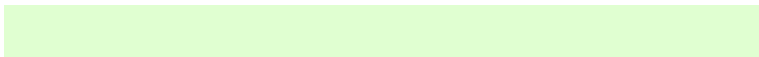
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2753, 95.7166, 74.3036



83.3740, 94.8764, 67.8907



77.8756, 91.9019, 73.9573



19.1925, 20.9007, 19.1670



31.9802, 44.2245, 6.8506



3.1986, 4.3497, 0.6710

Inverse Universe

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



69.7647, 67.7275, 104.0035



64.9933, 61.7042, 103.0923



76.9337, 71.4233, 104.3390



17.3347, 17.5488, 22.7236



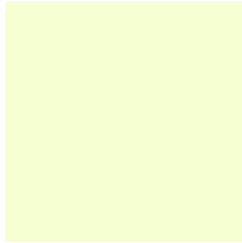
10.2095, 4.1737, 49.7021



1.0766, 0.4489, 4.8432

Previews

White Background



This preview shows how the XYZ color 85.2747, 95.7163, 74.3022 looks on a white background.

Color Contrast Check

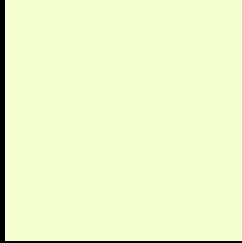
Large Text (above 18pt) WCAG AA × Fail

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 85.2747, 95.7163, 74.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

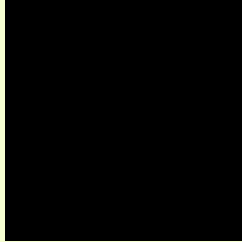
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.2747, 95.7163, 74.3022

Background



This preview shows how black text looks on a background with the XYZ color 85.2747, 95.7163, 74.3022.



This preview shows how white text looks on a background with the XYZ color 85.2747, 95.7163,

Color Blindness Simulation

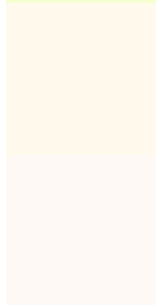
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.2747, 95.7163, 74.3022



Protanopia

90.5659, 95.6873, 93.0530

Deuteranopia

91.7502, 95.6652, 100.8182

Tritanopia

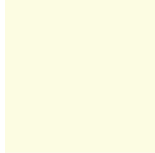
91.7093, 95.4806, 108.2037

Trichromacy



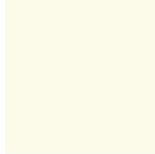
Original Color

85.2747, 95.7163, 74.3022



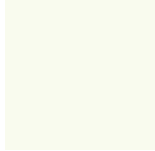
Protanomaly

88.6828, 95.8072, 85.7701



Deuteranomaly

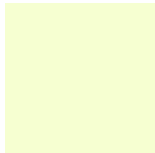
89.3500, 95.5730, 90.8290



Tritanomaly

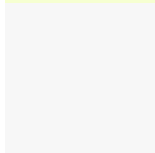
88.9967, 95.3071, 94.5944

Monochromacy



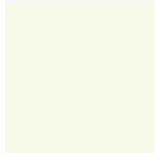
Original Color

85.2747, 95.7163, 74.3022



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.2514, 94.0286, 90.6415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2747, 95.7163, 74.3022 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(246, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 209)  
}
```

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(246, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 85.2747, 95.7163, 74.3022 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(246, 255, 209) }
```


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

```
.border{ border-color:rgb(246, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2747, 95.7163, 74.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 209) }
```

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

```
.background{ background-color: rgb(246,  
255, 209) }
```

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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