

Converting Colors

XYZ(86.5667, 96.2254, 81.4529)

Have a look what the booklet for
XYZ(86.5667, 96.2254, 81.4529)
contains.

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Color

**XYZ(86.6843, 96.2801,
81.7253)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFDC
RGB	246, 255, 220
RGB Percent	96%, 100%, 86%
CMY	0.0353, 0.0000, 0.1372
CMYK	0.04, 0.00, 0.14, 0.00
HSL	75°, 100%, 93%
HSV	75°, 14%, 100%
XYZ	86.6843, 96.2801, 81.7253
YIQ	248.3190, 5.8710, -12.7930

Conversions

Conversions Part 2

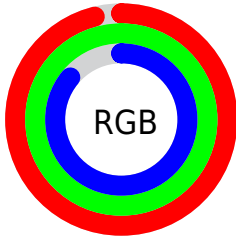
Format	Color
RYB	220, 255, 229
Decimal	16187356
CIELab	98.54, -8.84, 15.73
CIELCh	99, 18.043, 119.331
Yxy	96.2801, 0.3275, 0.3637
Android (android.graphics.Color)	4294377436 (0xFFFF6FFDC)
YUV	248.3190, -13.9613, -2.0338
Hunter-Lab	98.1224, -14.0220, 19.3036

Details

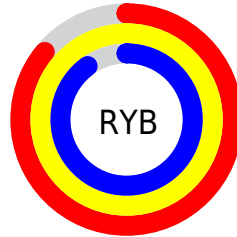
The XYZ color **86.6843, 96.2801, 81.7253** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.9571, 75.0656, 105.0935**, and the grayscale version is **89.5907, 94.2564, 102.6452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2208, 54.0519, 43.4889** is the 20% darker color. If you saturate the color by 10%, you get **81.3009, 93.8658, 65.1679**, and if you desaturate by 10%, it is **92.6654, 98.9430, 101.0025**.

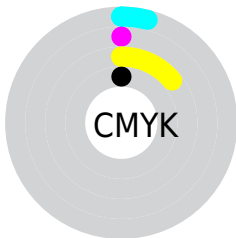
Distribution



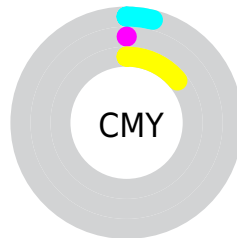
- Red (96%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (90%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.6843, 96.2801, 81.7253 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 86.6843, 96.2801, 81.7253 by changing the saturation by 10% instead.


 86.6843, 96.2801,
81.7253

 86.6843, 96.2801,
81.7253


505.5850,
548.2550, 520.5877

 65.5611, 73.2009,
60.6046


141.6259,
156.0319, 137.6219

 48.1826, 54.1402,
43.4777


176.1751,
193.4733, 173.2350

 34.1834, 38.7138,
29.9259


215.9304,
236.4709, 214.5159

 23.1981, 26.5371,
19.5308

261.2571,
285.4090, 261.8833

 14.8613, 17.2259,
11.8738

312.5205,
340.6721, 315.7556

 8.8078, 10.3957,
6.5363

370.0861,

 4.6721, 5.6621,

402.6445, 376.5514

3.0998

434.3192,
471.7107, 444.6892

■ 2.0890, 2.6407,
1.1458

■ 0.6832, 0.9472,
0.0000

■ 86.6843, 96.2801,
81.7253

■ 86.6843, 96.2801,
81.7253

■ 81.3009, 93.8658,
65.1679

■ 92.6654, 98.9430,
101.0025

■ 76.4892, 91.6894,
51.2035

95.0500, 100.0000,
108.9000

■ 72.2240, 89.7407,
39.7015

■ 68.4771, 88.0085,
30.5184

■ 65.2175, 86.4802,
23.4957

■ 62.4107, 85.1419,
18.4551

■ 60.0163, 83.9773,
15.1901

■ 57.9857, 82.9670,
13.4484

■ 56.8538, 82.3943,
12.9072

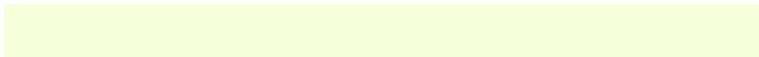
Harmonies

Analogous

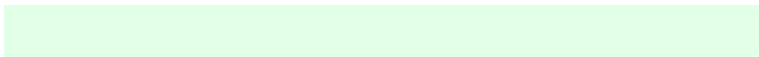
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6286, 96.2801, 78.6465



86.6843, 96.2801, 81.7253



83.1504, 96.2801, 90.8489

Triad

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



86.6843, 96.2801, 81.7253



86.4886, 96.2801, 131.5395



101.9144, 96.2801, 105.1687

Complementary

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



86.6843, 96.2801, 81.7253



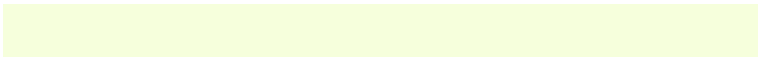
75.9571, 75.0656, 105.0935

Split Complementary

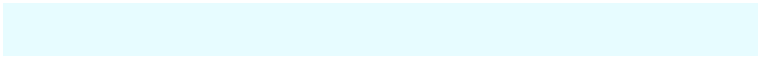
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4148, 96.2801, 120.1825



86.6843, 96.2801, 81.7253



91.3942, 96.2801, 136.2682

Square

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



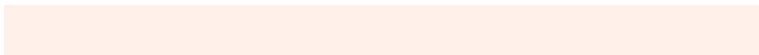
86.6843, 96.2801, 81.7253



83.0405, 96.2801, 119.5467



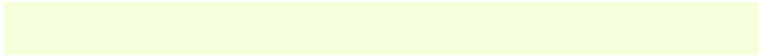
96.5143, 96.2801, 131.9304



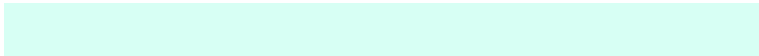
100.5396, 96.2801, 91.3784

Rectangle

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



86.6843, 96.2801, 81.7253



82.0019, 96.2801, 99.6025



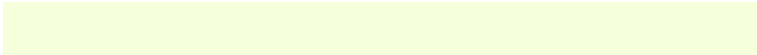
96.5143, 96.2801, 131.9304



101.7289, 96.2801, 110.2428

Sweetspot

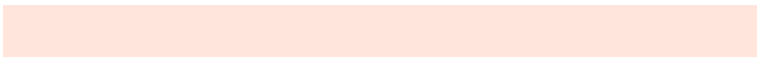
The Sweet Spot groups the original color and five complimentary colors.



86.6850, 96.2804, 81.7267



92.4926, 98.8663, 100.4344



82.1091, 82.3286, 79.2749



19.6966, 21.1168, 21.1672



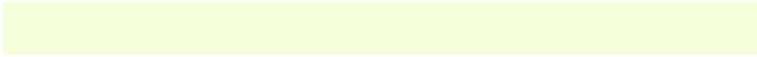
0.0000, 0.0000, 0.0000



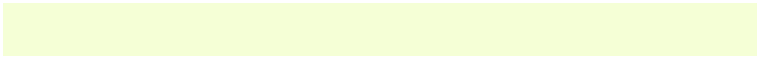
20.3446, 21.4041, 23.3091

Same Dimension

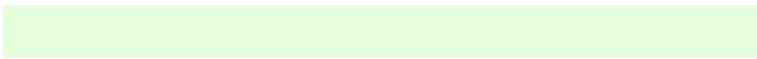
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6850, 96.2804, 81.7267



85.4084, 95.7096, 77.7246



80.9124, 93.3046, 81.4566



19.0785, 20.8419, 19.1617



29.8535, 43.1281, 6.7511



3.0082, 4.2515, 0.6621

Inverse Universe

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



75.9571, 75.0656, 105.0935



73.1022, 71.3723, 104.5311



81.7377, 78.0456, 105.3640



17.4408, 17.6034, 22.7285



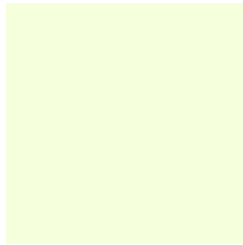
10.7066, 4.4299, 49.7253



1.1388, 0.4810, 4.8461

Previews

White Background



This preview shows how the XYZ color 86.6843, 96.2801, 81.7253 looks on a white background.

Color Contrast Check

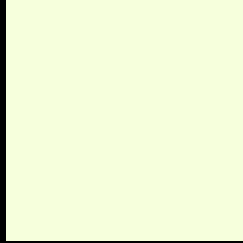
Large Text (above 18pt) WCAG AA × Fail

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 86.6843, 96.2801, 81.7253 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

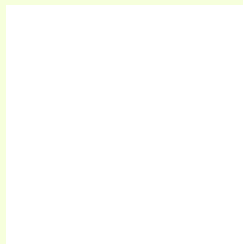
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.6843, 96.2801, 81.7253

Background



This preview shows how black text looks on a background with the XYZ color 86.6843, 96.2801, 81.7253.



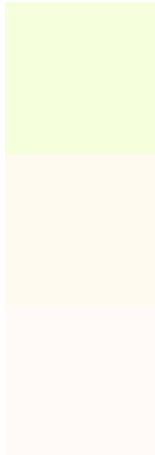
This preview shows how white text looks on a background with the XYZ color 86.6843, 96.2801,

81.7253.

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

86.6843, 96.2801, 81.7253

Protanopia

91.1538, 95.9225, 96.1486

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

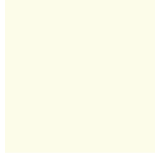
92.0193, 96.1004, 108.3070

Trichromacy



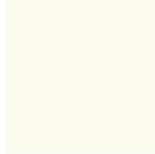
Original Color

86.6843, 96.2801, 81.7253



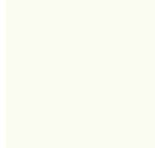
Protanomaly

89.6633, 96.1994, 90.9334



Deuteranomaly

90.3879, 96.4893, 94.7493



Tritanomaly

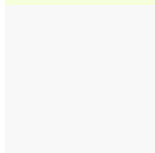
89.9043, 96.1713, 97.8289

Monochromacy



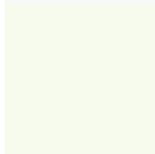
Original Color

86.6843, 96.2801, 81.7253



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.2876, 94.9416, 94.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.6843, 96.2801, 81.7253 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 86.6843, 96.2801, 81.7253 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, 220) }
```


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

```
.border{ border-color:rgb(246, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 86.6843, 96.2801, 81.7253 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, 220) }
```

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

```
.background{ background-color: rgb(246,  
255, 220) }
```

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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