

Converting Colors

XYZ(87.8830, 96.9088, 81.2984)

Have a look what the booklet for
XYZ(87.8830, 96.9088, 81.2984)
contains.

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Color

**XYZ(87.9705, 96.9585,
81.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFFDB
RGB	250, 255, 219
RGB Percent	98%, 100%, 86%
CMY	0.0196, 0.0000, 0.1412
CMYK	0.02, 0.00, 0.14, 0.00
HSL	68°, 100%, 93%
HSV	68°, 14%, 100%
XYZ	87.9705, 96.9585, 81.0961
YIQ	249.4010, 8.5760, -12.2560

Conversions

Conversions Part 2

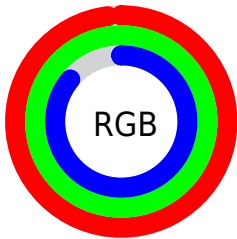
Format	Color
R _Y B	219, 255, 224
Decimal	16449499
CIE Lab	98.81, -7.61, 16.66
CIE LCh	99, 18.315, 114.546
Yxy	96.9585, 0.3307, 0.3645
Android (android.graphics.Color)	4294639579 (0xFFFAFFDB)
YUV	249.4010, -14.9877, 0.5253
Hunter-Lab	98.4675, -12.8469, 20.0971

Details

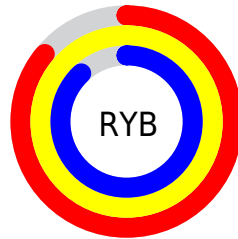
The XYZ color **87.9705, 96.9585, 81.0961** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.1228, 73.7315, 104.9327**, and the grayscale version is **90.4862, 95.1985, 103.6712**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8872, 54.4060, 43.0467** is the 20% darker color. If you saturate the color by 10%, you get **83.6092, 95.0687, 64.6896**, and if you desaturate by 10%, it is **92.8711, 99.0667, 100.2151**.

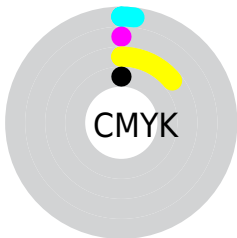
Distribution



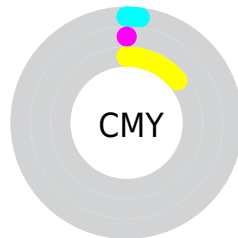
- Red (98%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.9705, 96.9585, 81.0961 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 87.9705, 96.9585, 81.0961 by changing the saturation by 10% instead.


 87.9705, 96.9585,
81.0961

 87.9705, 96.9585,
81.0961


509.7435,
550.4161, 518.4230

 66.6293, 73.7661,
60.0893

143.4088,
156.9676, 136.7310

 49.0531, 54.6026,
43.0648

178.2367,
194.5531, 172.1961

 34.8763, 39.0837,
29.6042


218.2909,
237.7051, 213.3178

 23.7337, 26.8248,
19.2889

263.9367,
286.8079, 260.5145

 15.2598, 17.4417,
11.7003

315.5395,
342.2461, 314.2049

 9.0894, 10.5499,
6.4199

373.4647,

 4.8571, 5.7651,

404.4039, 374.8074

3.0291

438.0775,
473.6657, 442.7406

■ 2.1976, 2.7028,
1.1095

■ 0.7415, 0.9786,
0.0000

■ 87.9705, 96.9585,
81.0961

■ 87.9705, 96.9585,
81.0961

■ 83.6092, 95.0687,
64.6896

■ 92.8711, 99.0667,
100.2151

■ 79.7620, 93.3874,
50.8684

95.0500, 100.0000,
108.9000

■ 76.4043, 91.9045,
39.5016

■ 73.5086, 90.6092,
30.4452

■ 71.0445, 89.4892,
23.5401

■ 68.9779, 88.5308,
18.6072

■ 67.2691, 87.7183,
15.4384

■ 65.8697, 87.0322,
13.7792

■ 65.1505, 86.6714,
13.2955

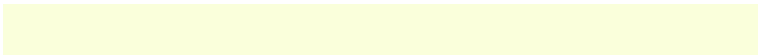
Harmonies

Analogous

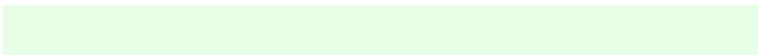
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1321, 96.9585, 79.0044



87.9705, 96.9585, 81.0961



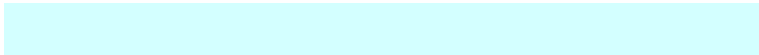
84.0700, 96.9585, 89.4695

Triad

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



87.9705, 96.9585, 81.0961



86.3475, 96.9585, 131.2861



102.7218, 96.9585, 108.3811

Complementary

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



87.9705, 96.9585, 81.0961



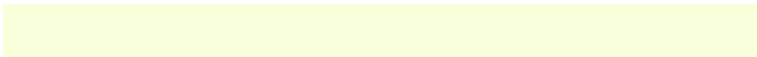
74.1228, 73.7315, 104.9327

Split Complementary

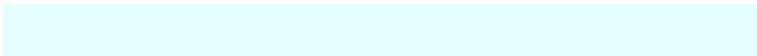
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7448, 96.9585, 123.4976



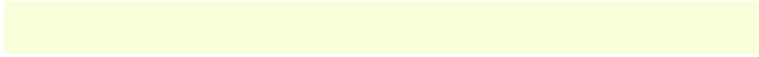
87.9705, 96.9585, 81.0961



91.1870, 96.9585, 137.5120

Square

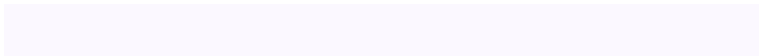
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



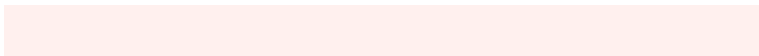
87.9705, 96.9585, 81.0961



83.1586, 96.9585, 118.2188



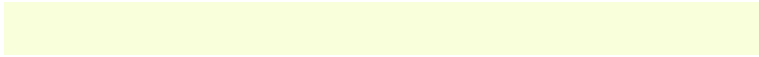
96.4725, 96.9585, 134.5334



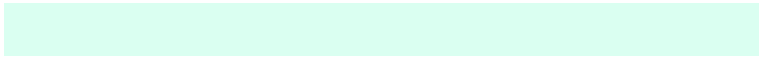
101.7804, 96.9585, 93.8597

Rectangle

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



87.9705, 96.9585, 81.0961



82.6416, 96.9585, 97.9538



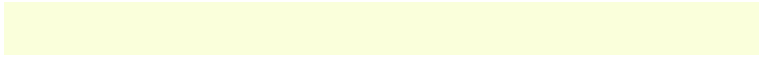
96.4725, 96.9585, 134.5334



102.3743, 96.9585, 113.5739

Sweetspot

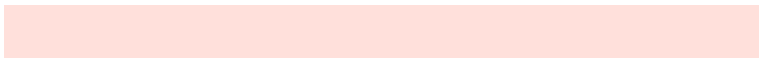
The Sweet Spot groups the original color and five complimentary colors.



87.9711, 96.9587, 81.0975



92.9317, 99.0927, 100.4550



80.6288, 79.5793, 78.1299



19.8081, 21.1743, 21.1724



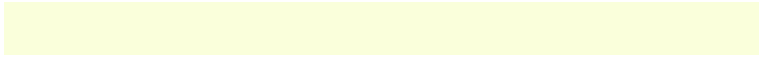
0.0000, 0.0000, 0.0000



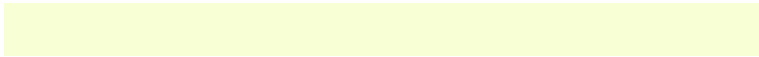
20.3446, 21.4041, 23.3091

Same Dimension

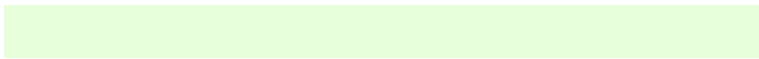
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9711, 96.9587, 81.0975



86.6593, 96.3919, 76.0942



81.8905, 93.8241, 80.8129



19.2986, 20.9554, 19.1720



34.1381, 45.3369, 6.9516



3.3892, 4.4480, 0.6799

Inverse Universe

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



74.1228, 73.7315, 104.9327



70.3210, 68.9868, 104.2172



79.9316, 76.7261, 105.2045



17.2376, 17.4987, 22.7190



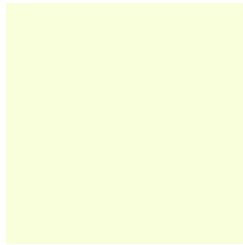
9.8719, 3.9997, 49.6863



1.0291, 0.4245, 4.8410

Previews

White Background



This preview shows how the XYZ color 87.9705, 96.9585, 81.0961 looks on a white background.

Color Contrast Check

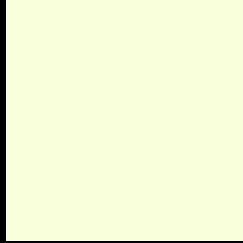
Large Text (above 18pt) WCAG AA × Fail

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 87.9705, 96.9585, 81.0961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

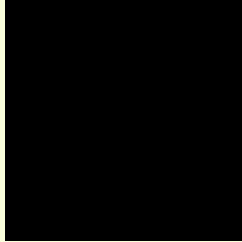
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.9705, 96.9585, 81.0961

Background



This preview shows how black text looks on a background with the XYZ color 87.9705, 96.9585, 81.0961.



This preview shows how white text looks on a background with the XYZ color 87.9705, 96.9585,

81.0961.

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

87.9705, 96.9585, 81.0961



Protanopia

91.9148, 96.7254, 98.6195

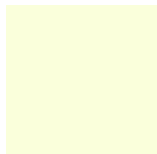
Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

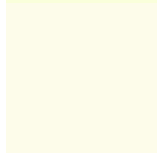
93.0552, 97.0970, 108.4448

Trichromacy



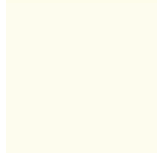
Original Color

87.9705, 96.9585, 81.0961



Protanomaly

90.1697, 96.4440, 91.7050



Deuteranomaly

90.7510, 96.6765, 94.7663



Tritanomaly

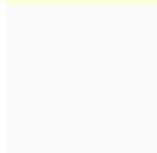
90.9823, 96.7271, 97.8793

Monochromacy



Original Color

87.9705, 96.9585, 81.0961



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9967, 95.3071, 94.5944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9705, 96.9585, 81.0961 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(250, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 219)  
}
```

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(250, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 87.9705, 96.9585, 81.0961 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(250, 255, 219) }
```


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

```
.border{ border-color:rgb(250, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9705, 96.9585, 81.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 219) }
```

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

```
.background{ background-color: rgb(250,  
255, 219) }
```

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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