

Converting Colors

XYZ(97.4059, 116.7983,
84.5932)

Have a look what the booklet for
XYZ(97.4059, 116.7983, 84.5932)
contains.

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Color

**XYZ(87.2576, 96.5909,
81.0628)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFDB
RGB	248, 255, 219
RGB Percent	97%, 100%, 86%
CMY	0.0274, 0.0000, 0.1412
CMYK	0.03, 0.00, 0.14, 0.00
HSL	72°, 100%, 93%
HSV	72°, 14%, 100%
XYZ	87.2576, 96.5909, 81.0628
YIQ	248.8030, 7.3840, -12.6800

Conversions

Conversions Part 2

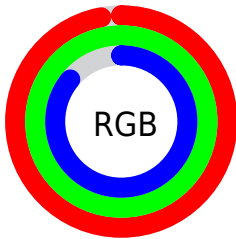
Format	Color
R_{YB}	219, 255, 226
Decimal	16318427
CIE _{Lab}	98.67, -8.30, 16.43
CIE _{LCh}	99, 18.413, 116.802
Yxy	96.5909, 0.3294, 0.3646
Android (android.graphics.Color)	4294508507 (0xFFF8FFDB)
YUV	248.8030, -14.6929, -0.7042
Hunter-Lab	98.2807, -13.5116, 19.8935

Details

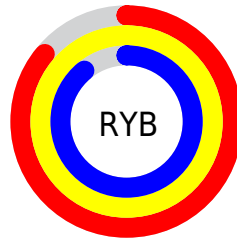
The XYZ color **87.2576, 96.5909, 81.0628** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.7464, 74.0530, 104.9618**, and the grayscale version is **89.9927, 94.6793, 103.1057**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3808, 54.1449, 43.0230** is the 20% darker color. If you saturate the color by 10%, you get **82.4189, 94.4551, 64.6339**, and if you desaturate by 10%, it is **92.6586, 98.9571, 100.2052**.

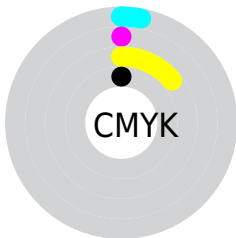
Distribution



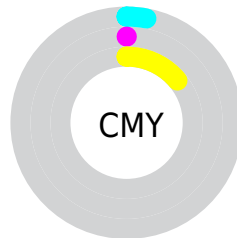
- Red (97%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2576, 96.5909, 81.0628 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 87.2576, 96.5909, 81.0628 by changing the saturation by 10% instead.

87.2576, 96.5909,
81.0628

87.2576, 96.5909,
81.0628

507.4408,
549.2456, 518.3083

66.0371, 73.4598,
60.0620

142.4210,
156.4607, 136.6838

48.5704, 54.3520,
43.0430

177.0946,
193.9681, 172.1411

34.4919, 38.8832,
29.5872

216.9833,
237.0365, 213.2543

23.4364, 26.6688,
19.2761

262.4525,
286.0501, 260.4420

15.0386, 17.3247,
11.6911

313.8674,
341.3935, 314.1227

8.9330, 10.4662,
6.4137

371.5936,

4.7542, 5.7092,

403.4509, 374.7150

3.0254

435.9963,
472.6068, 442.6373

■ 2.1371, 2.6691,
1.1076

■ 0.7092, 0.9615,
0.0000

■ 87.2576, 96.5909,
81.0628

■ 87.2576, 96.5909,
81.0628

■ 82.4189, 94.4551,
64.6339

■ 92.6586, 98.9571,
100.2052

■ 78.1167, 92.5392,
50.7915

95.0500, 100.0000,
108.9000

■ 74.3262, 90.8332,
39.4044

■ 71.0198, 89.3262,
30.3288

■ 68.1669, 88.0057,
23.4055

■ 65.7329, 86.8580,
18.4554

■ 63.6782, 85.8671,
15.2704

■ 61.9540, 85.0135,
13.5959

■ 61.0533, 84.5592,
13.1037

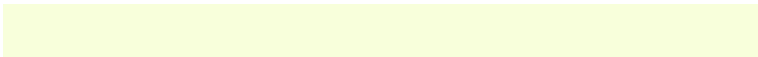
Harmonies

Analogous

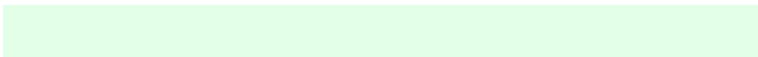
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3804, 96.5909, 78.4756



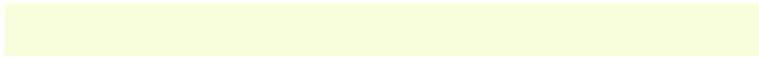
87.2576, 96.5909, 81.0628



83.4859, 96.5909, 89.8882

Triad

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



87.2576, 96.5909, 81.0628



86.3026, 96.5909, 131.7258



102.4369, 96.5909, 106.8191

Complementary

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



87.2576, 96.5909, 81.0628



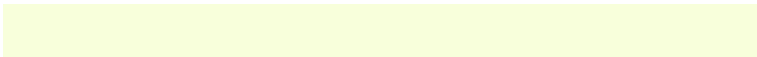
74.7464, 74.0530, 104.9618

Split Complementary

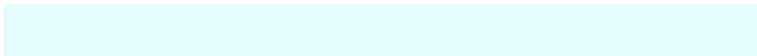
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.6628, 96.5909, 122.0949



87.2576, 96.5909, 81.0628



91.2355, 96.5909, 137.3230

Square

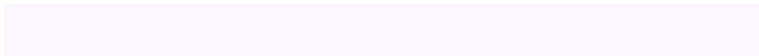
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



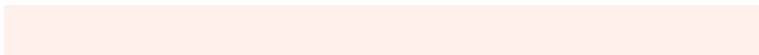
87.2576, 96.5909, 81.0628



82.9498, 96.5909, 118.9850



96.5113, 96.5909, 133.6400



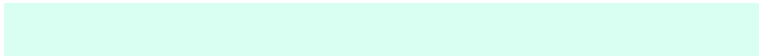
101.2728, 96.5909, 92.4699

Rectangle

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



87.2576, 96.5909, 81.0628



82.1753, 96.5909, 98.6035



96.5113, 96.5909, 133.6400



102.1628, 96.5909, 112.0240

Sweetspot

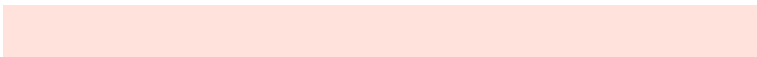
The Sweet Spot groups the original color and five complimentary colors.



87.2583, 96.5912, 81.0642



92.7251, 98.9862, 100.4453



81.1146, 80.5509, 78.2919



19.7556, 21.1472, 21.1700



0.0000, 0.0000, 0.0000



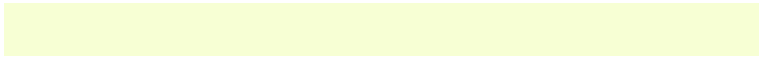
20.3446, 21.4041, 23.3091

Same Dimension

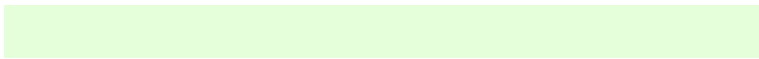
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2583, 96.5912, 81.0642



85.8064, 95.9522, 76.0543



81.3086, 93.5241, 80.7858



19.1948, 20.9018, 19.1671



32.0244, 44.2473, 6.8527



3.2025, 4.3517, 0.6712

Inverse Universe

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



74.7464, 74.0530, 104.9618



71.0450, 69.3600, 104.2511



80.5519, 77.0458, 105.2335



17.3326, 17.5477, 22.7235



10.2011, 4.1693, 49.7017



1.0755, 0.4484, 4.8431

Previews

White Background



This preview shows how the XYZ color 87.2576, 96.5909, 81.0628 looks on a white background.

Color Contrast Check

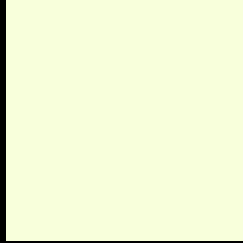
Large Text (above 18pt) WCAG AA × Fail

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 87.2576, 96.5909, 81.0628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

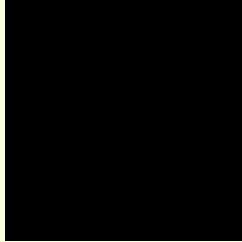
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.2576, 96.5909, 81.0628

Background



This preview shows how black text looks on a background with the XYZ color 87.2576, 96.5909, 81.0628.



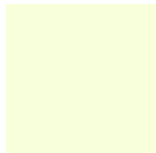
This preview shows how white text looks on a background with the XYZ color 87.2576, 96.5909,

81.0628.

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

87.2576, 96.5909, 81.0628

Protanopia

91.6144, 96.6052, 97.0372

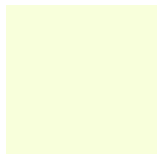
Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

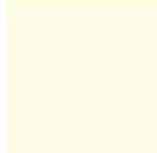
92.3805, 96.2867, 108.3240

Trichromacy



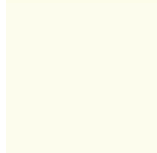
Original Color

87.2576, 96.5909, 81.0628



Protanomaly

89.6633, 96.1994, 90.9334



Deuteranomaly

90.2413, 96.4307, 93.9775



Tritanomaly

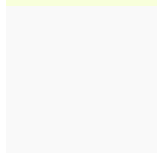
90.6211, 96.5408, 97.8624

Monochromacy



Original Color

87.2576, 96.5909, 81.0628



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 87.2576, 96.5909, 81.0628 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(248, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 87.2576, 96.5909, 81.0628 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(248, 255, 219) }
```


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

```
.border{ border-color:rgb(248, 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(248, 255, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2576, 96.5909, 81.0628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 219) }
```

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

```
.background{ background-color: rgb(248,  
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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