

Converting Colors

XYZ(102.5227, 123.7530,
92.0190)

Have a look what the booklet for
XYZ(102.5227, 123.7530, 92.0190)
contains.

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Color

**XYZ(89.5473, 97.6307,
87.5237)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFFE4
RGB	251, 255, 228
RGB Percent	98%, 100%, 89%
CMY	0.0157, 0.0000, 0.1059
CMYK	0.02, 0.00, 0.11, 0.00
HSL	69°, 100%, 95%
HSV	69°, 11%, 100%
XYZ	89.5473, 97.6307, 87.5237
YIQ	250.7260, 6.2830, -9.2450

Conversions

Conversions Part 2

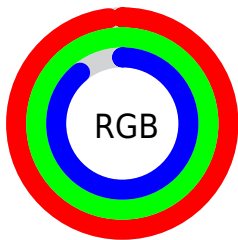
Format	Color
R_{YB}	228, 255, 232
Decimal	16515044
CIE _{Lab}	99.08, -5.86, 12.45
CIE _{LCh}	99, 13.757, 115.192
Yxy	97.6307, 0.3260, 0.3554
Android (android.graphics.Color)	4294705124 (0xFFFFBFFE4)
YUV	250.7260, -11.2039, 0.2403
Hunter-Lab	98.8082, -11.1446, 16.6471

Details

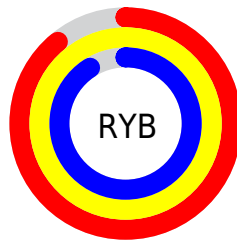
The XYZ color 89.5473, 97.6307, 87.5237 is a light color, and the websafe version is hex FFFFC. A complement of this color would be 79.0728, 79.8637, 105.8554, and the grayscale version is 91.5528, 96.3207, 104.8932.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9850, 54.8746, 47.4925 is the 20% darker color. If you saturate the color by 10%, you get 84.9172, 95.6231, 70.1707, and if you desaturate by 10%, it is 94.7281, 99.8618, 107.6308.

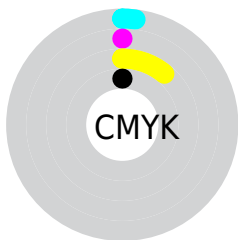
Distribution



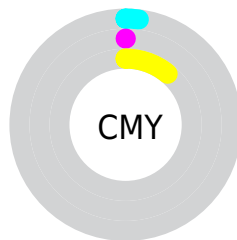
- Red (98%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.5473, 97.6307, 87.5237 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 89.5473, 97.6307, 87.5237 by changing the saturation by 10% instead.


 89.5473, 97.6307,
87.5237

 89.5473, 97.6307,
87.5237


514.8170,
552.5530, 540.3030

 67.9403, 74.3264,
65.3666


145.5910,
157.8941, 145.7992

 50.1226, 55.0613,
47.3052

180.7583,
195.6220, 182.7546

 35.7291, 39.4508,
32.9209


221.1765,
238.9265, 225.4799

 24.3942, 27.1106,
21.7952


267.2108,
288.1921, 274.3936

 15.7526, 17.6563,
13.5096

319.2267,
343.8032, 329.9142

 9.4390, 10.7035,
7.6456

377.5894,

 5.0880, 5.8678,

406.1441, 392.4603

3.7845

442.6644,
475.5992, 462.4504

■ 2.3343, 2.7649,
1.5079

■ 0.8121, 1.0102,
0.2238

■ 89.5473, 97.6307,
87.5237

■ 89.5473, 97.6307,
87.5237

■ 84.9172, 95.6231,
70.1707

94.7281, 99.8618,
107.6308

■ 80.8128, 93.8288,
55.4474

95.0500, 100.0000,
108.9000

■ 77.2103, 92.2384,
43.2267

■ 74.0829, 90.8411,
33.3688

■ 71.4014, 89.6253,
25.7205

■ 69.1331, 88.5777,
20.1105

■ 67.2405, 87.6835,
16.3422

■ 65.6788, 86.9246,
14.1808

■ 64.4442, 86.3073,
13.2624

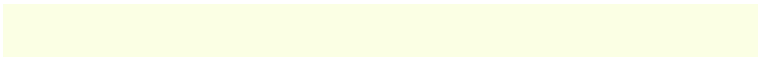
Harmonies

Analogous

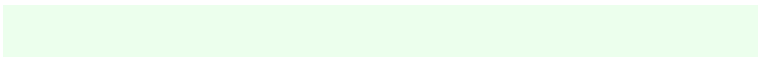
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4437, 97.6307, 85.7566



89.5473, 97.6307, 87.5237



86.5990, 97.6307, 94.1742

Triad

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



89.5473, 97.6307, 87.5237



88.4572, 97.6307, 125.5118



100.7033, 97.6307, 108.1673

Complementary

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



89.5473, 97.6307, 87.5237



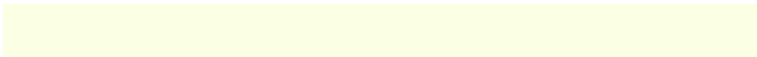
79.0728, 79.8637, 105.8554

Split Complementary

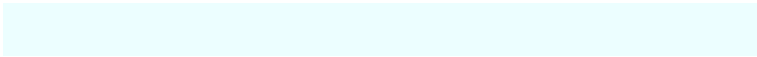
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2798, 97.6307, 119.4314



89.5473, 97.6307, 87.5237



92.1494, 97.6307, 129.8946

Square

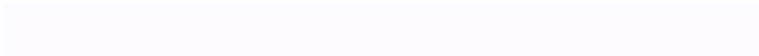
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



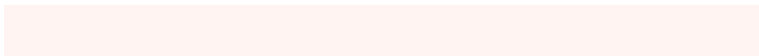
89.5473, 97.6307, 87.5237



85.9825, 97.6307, 115.9957



96.1204, 97.6307, 127.5935



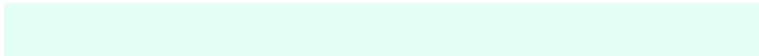
99.9583, 97.6307, 97.1663

Rectangle

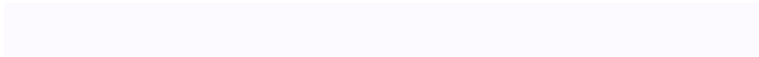
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5473, 97.6307, 87.5237



85.5290, 97.6307, 100.7515



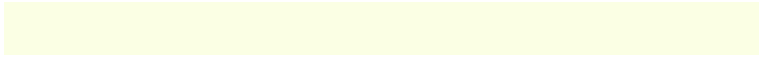
96.1204, 97.6307, 127.5935



100.4614, 97.6307, 112.0553

Sweetspot

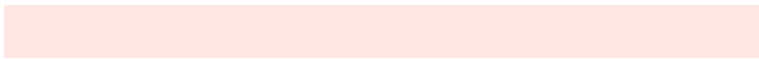
The Sweet Spot groups the original color and five complimentary colors.



89.5480, 97.6310, 87.5251



93.4270, 99.3028, 102.5224



83.9885, 84.3507, 85.2548



19.9062, 21.2157, 21.5884



0.0000, 0.0000, 0.0000



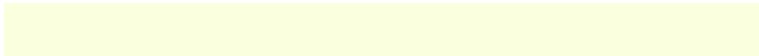
20.3446, 21.4041, 23.3091

Same Dimension

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



89.5480, 97.6310, 87.5251



88.3814, 97.1265, 83.0910



84.9906, 95.2816, 87.3119



19.2813, 20.9464, 19.1712



33.7740, 45.1492, 6.9346



3.3572, 4.4315, 0.6784

Inverse Universe

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



79.0728, 79.8637, 105.8554



75.7343, 75.6748, 105.2228



83.4853, 82.1384, 106.0619



17.2533, 17.5068, 22.7198



9.9194, 4.0241, 49.6885



1.0365, 0.4283, 4.8413

Previews

White Background



This preview shows how the XYZ color 89.5473, 97.6307, 87.5237 looks on a white background.

Color Contrast Check

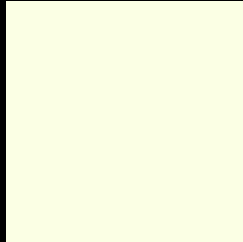
Large Text (above 18pt) WCAG AA × Fail

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 89.5473, 97.6307, 87.5237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

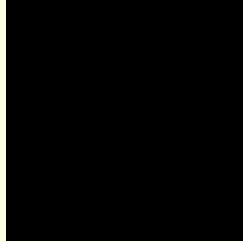
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.5473, 97.6307, 87.5237

Background



This preview shows how black text looks on a background with the XYZ color 89.5473, 97.6307, 87.5237.

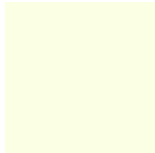


This preview shows how white text looks on a background with the XYZ color 89.5473, 97.6307,

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

89.5473, 97.6307, 87.5237



Protanopia

92.6850, 97.5346, 101.1298

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.5473, 97.6307, 87.5237



Protanomaly

91.5783, 97.5534, 95.6643



Deuteranomaly

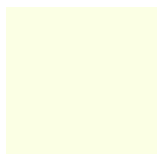
92.1760, 97.7925, 98.8117



Tritanomaly

91.7516, 97.5386, 100.3772

Monochromacy



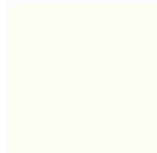
Original Color

89.5473, 97.6307, 87.5237



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.7717, 96.6011, 98.6557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.5473, 97.6307, 87.5237 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(251, 255, 228) looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 228)  
}
```

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(251, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 89.5473, 97.6307, 87.5237 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(251, 255, 228) }
```


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

```
.border{ border-color:rgb(251, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(251, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 89.5473, 97.6307, 87.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 228) }
```

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

```
.background{ background-color: rgb(251,  
255, 228) }
```

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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