

Converting Colors

XYZ(91.1454, 100.0000,
88.1896)

Have a look what the booklet for
XYZ(91.1454, 100.0000, 88.1896)
contains.

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Color

**XYZ(89.9085, 97.8169,
87.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFE4
RGB	252, 255, 228
RGB Percent	99%, 100%, 89%
CMY	0.0118, 0.0000, 0.1059
CMYK	0.01, 0.00, 0.11, 0.00
HSL	67°, 100%, 95%
HSV	67°, 11%, 100%
XYZ	89.9085, 97.8169, 87.5407
YIQ	251.0250, 6.8790, -9.0330

Conversions

Conversions Part 2

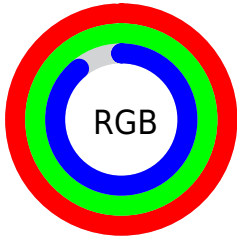
Format	Color
R_{YB}	228, 255, 231
Decimal	16580580
CIE _{Lab}	99.15, -5.51, 12.56
CIE _{LCh}	99, 13.719, 113.693
Yxy	97.8169, 0.3266, 0.3554
Android (android.graphics.Color)	4294770660 (0xFFFCFFE4)
YUV	251.0250, -11.3513, 0.8551
Hunter-Lab	98.9024, -10.8116, 16.7528

Details

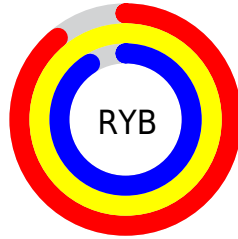
The XYZ color 89.9085, 97.8169, 87.5407 is a light color, and the websafe version is hex FFFFC. A complement of this color would be 78.7492, 79.6970, 105.8403, and the grayscale version is 91.8019, 96.5827, 105.1786.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2426, 55.0074, 47.5046 is the 20% darker color. If you saturate the color by 10%, you get 85.6073, 95.9788, 70.2031, and if you desaturate by 10%, it is 94.7485, 99.8723, 107.6319.

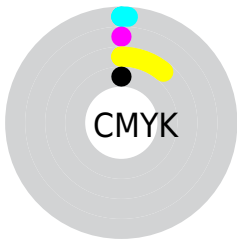
Distribution



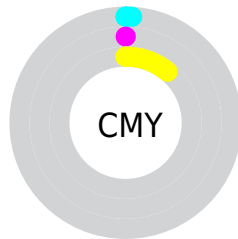
- Red (99%)
- Green (100%)
- Blue (89%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.9085, 97.8169, 87.5407 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 89.9085, 97.8169, 87.5407 by changing the saturation by 10% instead.


 89.9085, 97.8169,
87.5407

 89.9085, 97.8169,
87.5407


515.9755,
553.1442, 540.3602

 68.2408, 74.4817,
65.3806

146.0903,
158.1506, 145.8231

 50.3680, 55.1884,
47.3164


181.3351,
195.9179, 182.7824

 35.9249, 39.5526,
32.9297


221.8362,
239.2646, 225.5118

 24.5460, 27.1899,
21.8020

267.9592,
288.5752, 274.4300

 15.8661, 17.7159,
13.5145

320.0692,
344.2341, 329.9554

 9.5197, 10.7462,
7.6489

378.5317,

 5.1415, 5.8964,

406.6256, 392.5065

3.7866

443.7120,
476.1342, 462.5019

■ 2.3661, 2.7822,
1.5090

■ 0.8282, 1.0191,
0.2246

■ 89.9085, 97.8169,
87.5407

■ 89.9085, 97.8169,
87.5407

■ 85.6073, 95.9788,
70.2031

94.7485, 99.8723,
107.6319

■ 81.8201, 94.3481,
55.4947

95.0500, 100.0000,
108.9000

■ 78.5231, 92.9152,
43.2882

■ 75.6896, 91.6694,
33.4440

■ 73.2905, 90.5991,
25.8089

■ 71.2932, 89.6913,
20.2116

■ 69.6603, 88.9310,
16.4555

■ 68.3471, 88.3002,
14.3056

■ 67.3363, 87.7982,
13.3977

Harmonies

Analogous

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



93.8215, 97.8169, 86.0338



89.9085, 97.8169, 87.5407



86.8969, 97.8169, 93.9606

Triad

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



89.9085, 97.8169, 87.5407



88.4816, 97.8169, 125.3072



100.8470, 97.8169, 108.9499

Complementary

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



89.9085, 97.8169, 87.5407



78.7492, 79.6970, 105.8403

Split Complementary

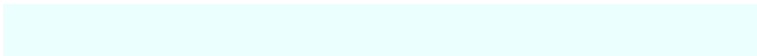
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3239, 97.8169, 120.1211



89.9085, 97.8169, 87.5407



92.1277, 97.8169, 129.9925

Square

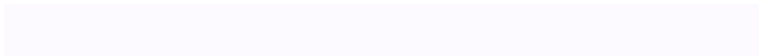
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



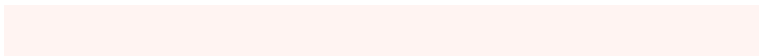
89.9085, 97.8169, 87.5407



86.0898, 97.8169, 115.6265



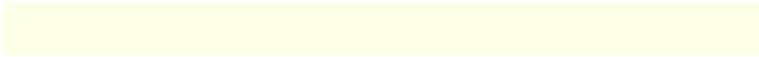
96.1044, 97.8169, 128.0298



100.2116, 97.8169, 97.8781

Rectangle

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



89.9085, 97.8169, 87.5407



85.7675, 97.8169, 100.4261



96.1044, 97.8169, 128.0298



100.5691, 97.8169, 112.8264

Sweetspot

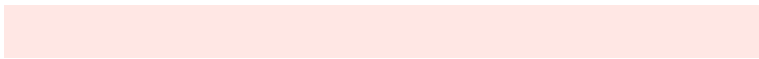
The Sweet Spot groups the original color and five complimentary colors.



89.9092, 97.8172, 87.5421



93.5306, 99.3562, 102.5272



83.7364, 83.8466, 85.1709



19.9343, 21.2302, 21.5898



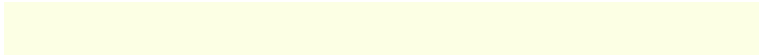
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



89.9092, 97.8172, 87.5421



88.8230, 97.3542, 83.1116



85.2934, 95.4377, 87.3261



19.3508, 20.9823, 19.1744



35.2644, 45.9175, 7.0043



3.4879, 4.4988, 0.6845

Inverse Universe

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



78.7492, 79.6970, 105.8403



75.3490, 75.4761, 105.2048



83.1719, 81.9770, 106.0472



17.1903, 17.4743, 22.7168



9.7460, 3.9347, 49.6804



1.0070, 0.4130, 4.8399

Previews

White Background



This preview shows how the XYZ color 89.9085, 97.8169, 87.5407 looks on a white background.

Color Contrast Check

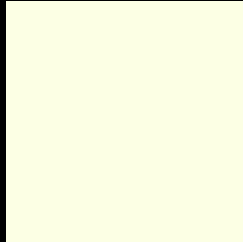
Large Text (above 18pt) WCAG AA × Fail

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 89.9085, 97.8169, 87.5407 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 89.9085, 97.8169, 87.5407

Background



This preview shows how black text looks on a background with the XYZ color 89.9085, 97.8169, 87.5407.



This preview shows how white text looks on a background with the XYZ color 89.9085, 97.8169,

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

89.9085, 97.8169, 87.5407



Protanopia

92.8389, 97.5962, 101.9405

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.9085, 97.8169, 87.5407

Protanomaly

91.7265, 97.6127, 96.4447

Deuteranomaly

92.1760, 97.7925, 98.8117

Tritanomaly

92.1147, 97.7258, 100.3942

Monochromacy



Original Color

89.9085, 97.8169, 87.5407



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 89.9085, 97.8169, 87.5407 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(252, 255, 228) looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 89.9085, 97.8169, 87.5407 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(252, 255, 228) }
```


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

```
.border{ border-color:rgb(252, 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(252, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 89.9085, 97.8169, 87.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 228) }
```

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

```
.background{ background-color: rgb(252,  
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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