

Converting Colors

XYZ(89.9547, 97.8943, 84.9891)

Have a look what the booklet for
XYZ(89.9547, 97.8943, 84.9891)
contains.

XYZ(89.7226, 97.7845, 84.6664)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(89.7226, 97.7845,
84.6664)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFFE0
RGB	253, 255, 224
RGB Percent	99%, 100%, 88%
CMY	0.0078, 0.0000, 0.1216
CMYK	0.01, 0.00, 0.12, 0.00
HSL	64°, 100%, 94%
HSV	64°, 12%, 100%
XYZ	89.7226, 97.7845, 84.6664
YIQ	250.8680, 8.7590, -10.0650

Conversions

Conversions Part 2

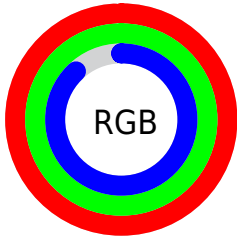
Format	Color
RYB	224, 255, 226
Decimal	16646112
CIELab	99.14, -5.80, 14.60
CIElCh	99, 15.707, 111.656
Yxy	97.7845, 0.3297, 0.3593
Android (android.graphics.Color)	4294836192 (0xFFFFDFFE0)
YUV	250.8680, -13.2459, 1.8698
Hunter-Lab	98.8860, -11.0916, 18.4560

Details

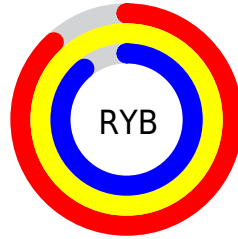
The XYZ color **89.7226, 97.7845, 84.6664** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.0705, 76.7012, 105.4032**, and the grayscale version is **91.6856, 96.4604, 105.0453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.1205, 54.9885, 45.5083** is the 20% darker color. If you saturate the color by 10%, you get **85.9234, 96.1960, 67.7692**, and if you desaturate by 10%, it is **94.0470, 99.5837, 104.2983**.

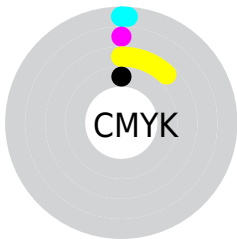
Distribution



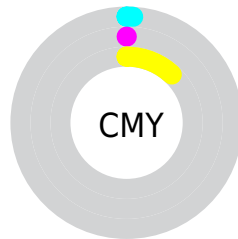
- Red (99%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.7226, 97.7845, 84.6664 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 89.7226, 97.7845, 84.6664 by changing the saturation by 10% instead.


 89.7226, 97.7845,
84.6664

 89.7226, 97.7845,
84.6664


515.3794,
553.0414, 530.6393

 68.0861, 74.4547,
63.0172

145.8333,
158.1060, 141.7770

 50.2417, 55.1663,
45.4140


181.0383,
195.8664, 178.0755

 35.8241, 39.5348,
31.4384


221.4967,
239.2058, 220.0942

 24.4678, 27.1761,
20.6716

267.5741,
288.5085, 268.2516

 15.8076, 17.7055,
12.6953

319.6357,
344.1591, 322.9663

 9.4781, 10.7388,
7.0908

378.0469,

 5.1139, 5.8915,

406.5418, 384.6568

3.4396

443.1730,
476.0411, 453.7416

■ 2.3497, 2.7792,
1.3233

■ 0.8199, 1.0176,
0.0807

■ 89.7226, 97.7845,
84.6664

■ 89.7226, 97.7845,
84.6664

■ 85.9234, 96.1960,
67.7692

■ 94.0470, 99.5837,
104.2983

■ 82.6244, 94.8081,
53.4812

95.0500, 100.0000,
108.9000

■ 79.8015, 93.6113,
41.6735

■ 77.4278, 92.5947,
32.2047

■ 75.4738, 91.7466,
24.9189

■ 73.9062, 91.0537,
19.6414

■ 72.6868, 90.5006,
16.1710

■ 71.7694, 90.0689,
14.2643

■ 71.2071, 89.7937,
13.5789

Harmonies

Analogous

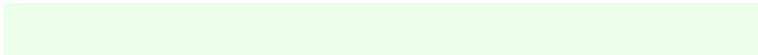
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2278, 97.7845, 83.3716



89.7226, 97.7845, 84.6664



86.1905, 97.7845, 91.5486

Triad

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



89.7226, 97.7845, 84.6664



87.5733, 97.7845, 127.5478



101.9487, 97.7845, 110.1807

Complementary

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



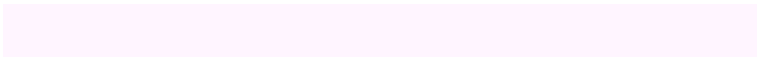
89.7226, 97.7845, 84.6664



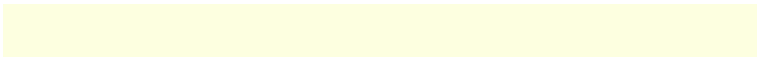
76.0705, 76.7012, 105.4032

Split Complementary

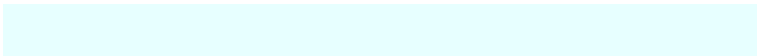
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0356, 97.7845, 122.9321



89.7226, 97.7845, 84.6664



91.6664, 97.7845, 133.4850

Square

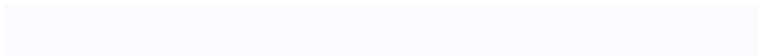
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



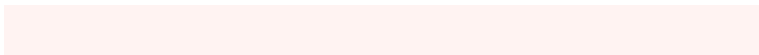
89.7226, 97.7845, 84.6664



84.9783, 97.7845, 116.0721



96.2359, 97.7845, 131.7298



101.3867, 97.7845, 97.4139

Rectangle

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



89.7226, 97.7845, 84.6664



84.8142, 97.7845, 98.7129



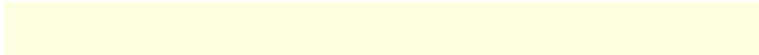
96.2359, 97.7845, 131.7298



101.5716, 97.7845, 114.6246

Sweetspot

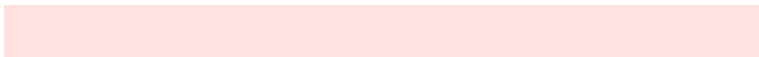
The Sweet Spot groups the original color and five complimentary colors.



89.7232, 97.7848, 84.6678



93.2093, 99.2358, 100.4680



81.7695, 80.7912, 81.8070



19.8786, 21.2106, 21.1757



0.0000, 0.0000, 0.0000



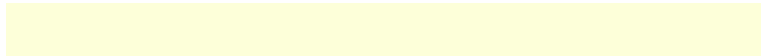
20.3446, 21.4041, 23.3091

Same Dimension

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



89.7232, 97.7848, 84.6678



88.5903, 97.3119, 79.5892



84.4583, 95.0706, 84.4214



19.4387, 21.0276, 19.1785



37.2567, 46.9446, 7.0976



3.6611, 4.5881, 0.6926

Inverse Universe

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



76.0705, 76.7012, 105.4032



72.0771, 71.8106, 104.6697



80.9992, 79.2421, 105.6339



17.1114, 17.4337, 22.7131



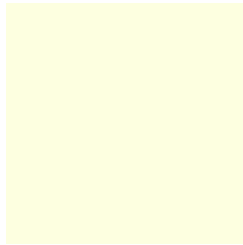
9.5878, 3.8532, 49.6730



0.9698, 0.3939, 4.8382

Previews

White Background



This preview shows how the XYZ color 89.7226, 97.7845, 84.6664 looks on a white background.

Color Contrast Check

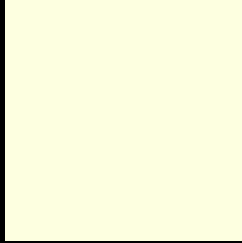
Large Text (above 18pt) WCAG AA × Fail

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 89.7226, 97.7845, 84.6664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

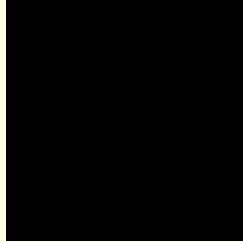
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.7226, 97.7845, 84.6664

Background



This preview shows how black text looks on a background with the XYZ color 89.7226, 97.7845, 84.6664.



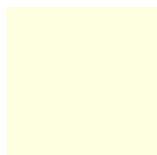
This preview shows how white text looks on a background with the XYZ color 89.7226, 97.7845,

84.6664.

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

89.7226, 97.7845, 84.6664



Protanopia

92.6850, 97.5346, 101.1298

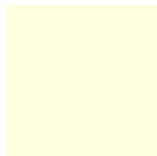
Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

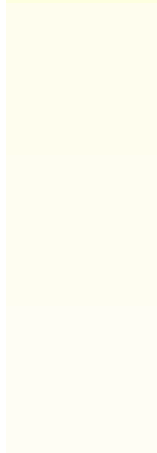
93.7335, 97.9116, 108.5663

Trichromacy



Original Color

89.7226, 97.7845, 84.6664



Protanomaly

91.4309, 97.4944, 94.8883

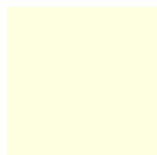
Deuteranomaly

91.8755, 97.6723, 97.2294

Tritanomaly

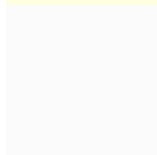
92.3275, 97.8530, 99.6093

Monochromacy



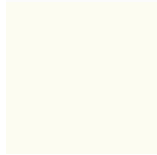
Original Color

89.7226, 97.7845, 84.6664



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.8325, 96.6671, 97.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.7226, 97.7845, 84.6664 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(253, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 224)  
}
```

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(253, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 89.7226, 97.7845, 84.6664 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(253, 255, 224) }
```


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

```
.border{ border-color:rgb(253, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 89.7226, 97.7845, 84.6664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 224) }
```

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

```
.background{ background-color: rgb(253,  
255, 224) }
```

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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