

Converting Colors

XYZ(87.8410, 93.4787, 82.1528)

Have a look what the booklet for
XYZ(87.8410, 93.4787, 82.1528)
contains.

XYZ(87.8585, 93.6153, 81.8455)	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(87.8585, 93.6153,
81.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8DD
RGB	255, 248, 221
RGB Percent	100%, 97%, 87%
CMY	0.0000, 0.0274, 0.1333
CMYK	0.00, 0.03, 0.13, 0.00
HSL	48°, 100%, 93%
HSV	48°, 13%, 100%
XYZ	87.8585, 93.6153, 81.8455
YIQ	247.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

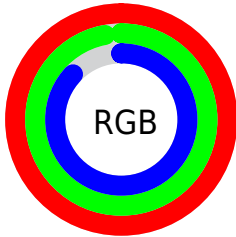
Format	Color
R_{YB}	230, 255, 221
Decimal	16775389
CIE _{Lab}	97.48, -2.06, 13.80
CIE _{LCh}	97, 13.955, 98.493
Yxy	93.6153, 0.3337, 0.3555
Android (android.graphics.Color)	4294965469 (0xFFFFF8DD)
YUV	247.0150, -12.8254, 7.0028
Hunter-Lab	96.7550, -7.2341, 17.5748

Details

The XYZ color **87.8585, 93.6153, 81.8455** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.6115, 78.0768, 105.6929**, and the grayscale version is **88.5160, 93.1257, 101.4139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0213, 52.4582, 43.6181** is the 20% darker color. If you saturate the color by 10%, you get **83.1263, 89.1810, 64.7602**, and if you desaturate by 10%, it is **93.1566, 98.3544, 101.6676**.

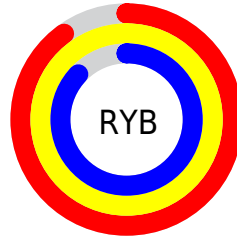
Distribution



Red (100%)

Green (97%)

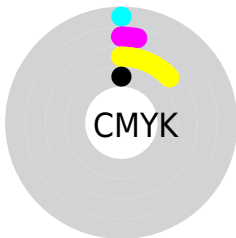
Blue (87%)



Red (90%)

Yellow (100%)

Blue (87%)

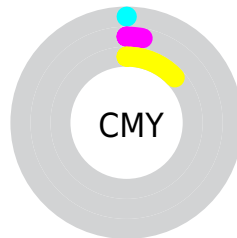


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (3%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.8585, 93.6153, 81.8455 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 87.8585, 93.6153, 81.8455 by changing the saturation by 10% instead.

 87.8585, 93.6153,
81.8455

 87.8585, 93.6153,
81.8455


509.3821,
539.7225, 521.0006

 66.5363, 70.9830,
60.7031


143.2537,
152.3502, 137.7921

 48.9772, 52.3283,
43.5566


178.0574,
189.2216, 173.4333

 34.8158, 37.2669,
29.9875


218.0856,
231.6082, 214.7446

 23.6869, 25.4142,
19.5771

263.7037,
279.8943, 262.1445

 15.2250, 16.3859,
11.9070

315.2770,
334.4644, 316.0515

 9.0648, 9.7976,
6.5586

373.1710,

 4.8409, 5.2650,

395.7029, 376.8842

3.1134

437.7509,
463.9941, 445.0610

■ 2.1880, 2.4036,
1.1528

■ 0.7364, 0.8277,
0.0000

■ 87.8585, 93.6153,
81.8455

■ 87.8585, 93.6153,
81.8455

■ 83.1263, 89.1810,
64.7602

■ 93.1566, 98.3544,
101.6676

■ 78.9295, 85.0296,
50.2835

95.0500, 100.0000,
108.9000

■ 75.2451, 81.1543,
38.2856

■ 72.0456, 77.5435,
28.6235

■ 69.3007, 74.1844,
21.1393

■ 66.9762, 71.0629,
15.6556

■ 65.0328, 68.1625,
11.9670

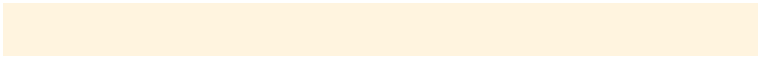
■ 63.4227, 65.4635,
9.8234

■ 62.4886, 63.7573,
9.0129

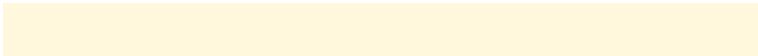
Harmonies

Analogous

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



91.7999, 93.6153, 82.9558



87.8585, 93.6153, 81.8455



84.3220, 93.6153, 85.7955

Triad

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



87.8585, 93.6153, 81.8455



83.1500, 93.6153, 116.1182



96.2537, 93.6153, 110.1382

Complementary

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



87.8585, 93.6153, 81.8455



75.6115, 78.0768, 105.6929

Split Complementary

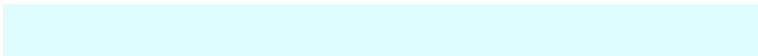
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8034, 93.6153, 119.9728



87.8585, 93.6153, 81.8455



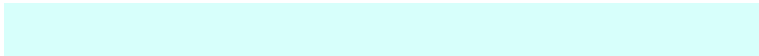
86.2156, 93.6153, 123.5997

Square

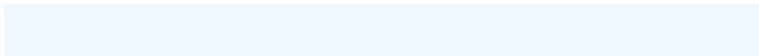
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8585, 93.6153, 81.8455



81.6569, 93.6153, 105.1864



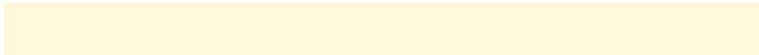
90.1080, 93.6153, 125.0602



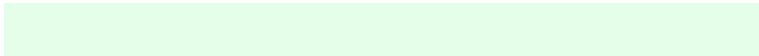
96.7252, 93.6153, 98.7437

Rectangle

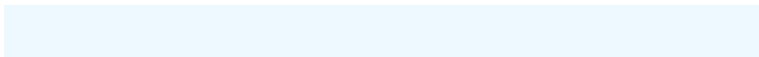
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8585, 93.6153, 81.8455



82.6422, 93.6153, 90.9524



90.1080, 93.6153, 125.0602



95.6307, 93.6153, 113.7596

Sweetspot

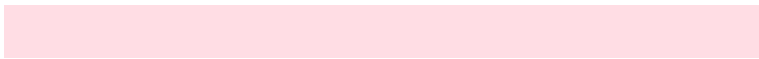
The Sweet Spot groups the original color and five complimentary colors.



87.8608, 93.6193, 81.8475



92.7852, 98.0289, 100.2574



81.1517, 78.5958, 84.5604



19.7709, 20.9041, 21.1222



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.



87.8608, 93.6193, 81.8475



86.5439, 92.4068, 77.0273



86.5958, 96.2191, 82.4160



19.2253, 20.4187, 19.0723



32.7622, 33.5357, 4.7463



3.2661, 3.4176, 0.4875

Inverse Universe

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



75.6115, 78.0768, 105.6929



72.1190, 74.1043, 105.1102



76.7441, 75.8621, 105.2057



17.3056, 17.9829, 22.8089



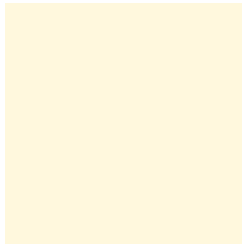
10.1683, 5.2462, 49.9113



1.0637, 0.6581, 4.8842

Previews

White Background



This preview shows how the XYZ color 87.8585, 93.6153, 81.8455 looks on a white background.

Color Contrast Check

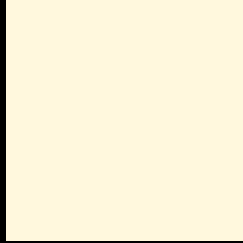
Large Text (above 18pt) WCAG AA × Fail

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 87.8585, 93.6153, 81.8455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

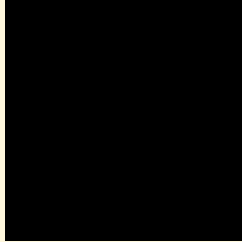
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.8585, 93.6153, 81.8455

Background



This preview shows how black text looks on a background with the XYZ color 87.8585, 93.6153, 81.8455.



This preview shows how white text looks on a background with the XYZ color 87.8585, 93.6153,

81.8455.

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

87.8585, 93.6153, 81.8455

Protanopia

88.7837, 93.4947, 88.2298

Deuteranopia

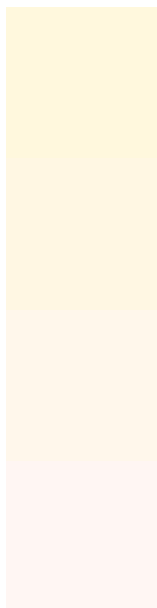
90.3734, 93.6426, 98.1057



Tritanopia

91.9424, 93.7848, 107.8641

Trichromacy



Original Color

87.8585, 93.6153, 81.8455

Protanomaly

88.3659, 93.3276, 86.0297

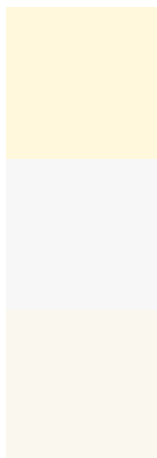
Deuteranomaly

89.4962, 93.7797, 91.9816

Tritanomaly

90.3734, 93.6426, 98.1057

Monochromacy



Original Color

87.8585, 93.6153, 81.8455

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1177, 93.0186, 94.1990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.8585, 93.6153, 81.8455 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(255, 248, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 221)  
}
```

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(255, 248, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 221) }
```

Border

The CSS property to change the border of an element to XYZ 87.8585, 93.6153, 81.8455 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(255, 248, 221) }
```


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

```
.border{ border-color:rgb(255, 248, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8585, 93.6153, 81.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 221) }
```

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

```
.background{ background-color: rgb(255,  
248, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor