

Converting Colors

XYZ(100.7942, 99.8615,
88.6731)

Have a look what the booklet for
XYZ(100.7942, 99.8615, 88.6731)
contains.

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Color

**XYZ(88.7837, 93.4947,
88.2298)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7E6
RGB	255, 247, 230
RGB Percent	100%, 97%, 90%
CMY	0.0000, 0.0313, 0.0980
CMYK	0.00, 0.03, 0.10, 0.00
HSL	41°, 100%, 95%
HSV	41°, 10%, 100%
XYZ	88.7837, 93.4947, 88.2298
YIQ	247.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

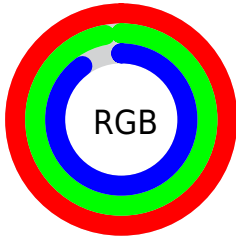
Format	Color
R_{YB}	242, 255, 230
Decimal	16775142
CIE _{Lab}	97.43, -0.15, 9.11
CIE _{LCh}	97, 9.108, 90.926
Y _{xy}	93.4947, 0.3282, 0.3456
Android (android.graphics.Color)	4294965222 (0xFFFFF7E6)
Y_{UV}	247.4540, -8.6048, 6.6178
Hunter-Lab	96.6927, -5.3125, 13.5841

Details

The XYZ color **88.7837, 93.4947, 88.2298** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2570, 85.1899, 106.7683**, and the grayscale version is **88.8416, 93.4683, 101.7870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.6574, 52.3625, 48.0472** is the 20% darker color. If you saturate the color by 10%, you get **83.0225, 87.2901, 69.9157**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

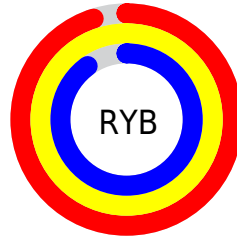
Distribution



Red (100%)

Green (97%)

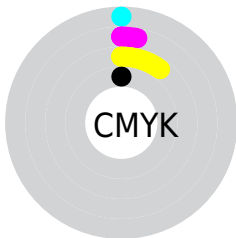
Blue (90%)



Red (95%)

Yellow (100%)

Blue (90%)

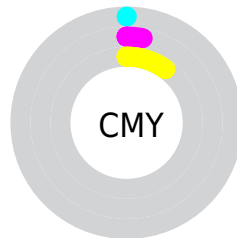


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.7837, 93.4947, 88.2298 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 88.7837, 93.4947, 88.2298 by changing the saturation by 10% instead.


 88.7837, 93.4947,
88.2298

 88.7837, 93.4947,
88.2298


512.3634,
539.3346, 542.6763

 67.3052, 70.8828,
65.9480


144.5347,
152.1833, 146.7910

 49.6043, 52.2465,
47.7740


179.5379,
189.0288, 183.9075

 35.3156, 37.2016,
33.2892


219.7802,
231.3876, 226.8059

 24.0738, 25.3636,
22.0752

265.6267,
279.6440, 275.9048

 15.5134, 16.3482,
13.7133

317.4430,
334.1826, 331.6228

 9.2691, 9.7709,
7.7851

375.5942,

 4.9756, 5.2473,

395.3876, 394.3783

3.8719

440.4459,
463.6435, 464.5900

■ 2.2676, 2.3931,
1.5553

■ 0.7780, 0.8223,
0.2587

■ 88.7837, 93.4947,
88.2298

■ 88.7837, 93.4947,
88.2298

■ 83.0225, 87.2901,
69.9157

95.0500, 100.0000,
108.9000

■ 77.8682, 81.4974,
54.2753

■ 73.2971, 76.1081,
41.1819

■ 69.2815, 71.1088,
30.4966

■ 65.7911, 66.4850,
22.0666

■ 62.7921, 62.2208,
15.7218

■ 60.2461, 58.2984,
11.2677

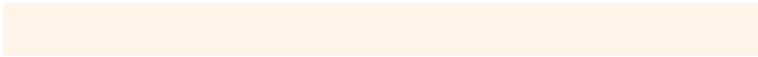
■ 58.1077, 54.6971,
8.4724

■ 56.3050, 51.3856,
6.9652

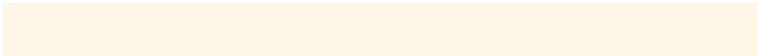
Harmonies

Analogous

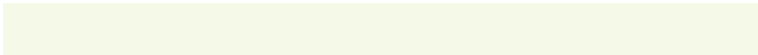
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2993, 93.4947, 89.8675



88.7837, 93.4947, 88.2298



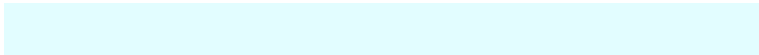
86.3358, 93.4947, 90.0791

Triad

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



88.7837, 93.4947, 88.2298



84.6711, 93.4947, 109.2862



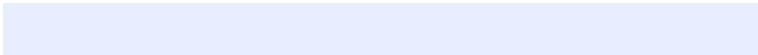
93.2757, 93.4947, 108.8695

Complementary

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



88.7837, 93.4947, 88.2298



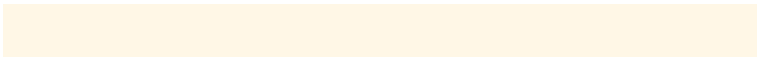
81.2570, 85.1899, 106.7683

Split Complementary

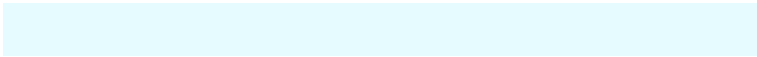
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4409, 93.4947, 114.4956



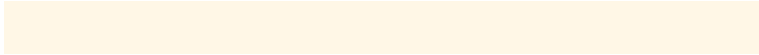
88.7837, 93.4947, 88.2298



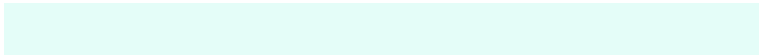
86.4722, 93.4947, 114.7443

Square

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



88.7837, 93.4947, 88.2298



83.9899, 93.4947, 102.0298



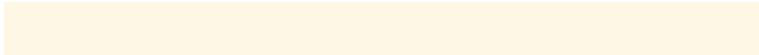
88.9442, 93.4947, 116.6945



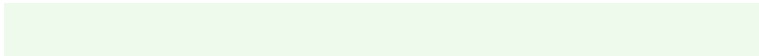
93.9229, 93.4947, 101.5702

Rectangle

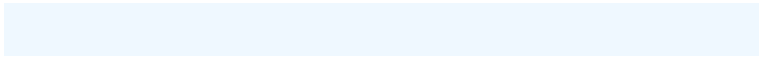
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7837, 93.4947, 88.2298



85.0637, 93.4947, 93.0947



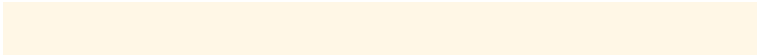
88.9442, 93.4947, 116.6945



92.7756, 93.4947, 111.0314

Sweetspot

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



88.7858, 93.4986, 88.2318



93.0671, 97.9661, 102.2833



85.0192, 84.0474, 92.8886



19.8089, 20.8539, 21.5237



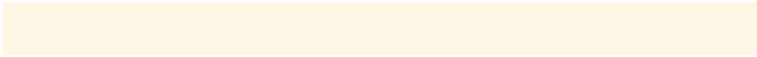
0.0000, 0.0000, 0.0000



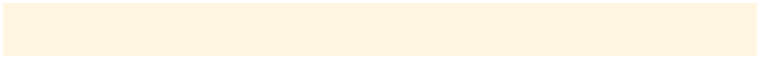
20.3446, 21.4041, 23.3091

Same Dimension

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



88.7858, 93.4986, 88.2318



87.4663, 92.0984, 83.9726



89.7669, 97.7116, 88.9933



19.0427, 20.0536, 19.0114



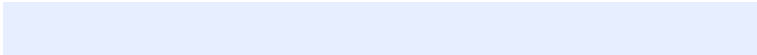
29.5438, 27.0988, 3.6735



2.9753, 2.8360, 0.3906

Inverse Universe

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



81.2570, 85.1899, 106.7683



78.3902, 82.0824, 106.3196



80.3343, 81.3356, 106.0730



17.4771, 18.3258, 22.8660



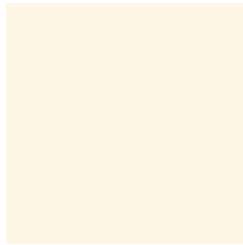
11.1087, 7.1269, 50.2247



1.1753, 0.8814, 4.9214

Previews

White Background



This preview shows how the XYZ color 88.7837, 93.4947, 88.2298 looks on a white background.

Color Contrast Check

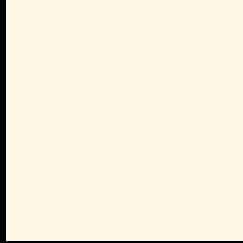
Large Text (above 18pt) WCAG AA × Fail

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 88.7837, 93.4947, 88.2298 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 88.7837, 93.4947, 88.2298

Background



This preview shows how black text looks on a background with the XYZ color 88.7837, 93.4947, 88.2298.

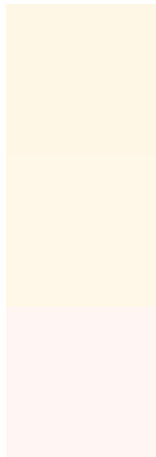


This preview shows how white text looks on a background with the XYZ color 88.7837, 93.4947,

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

88.7837, 93.4947, 88.2298

Protanopia

89.0663, 93.6077, 89.7177

Deuteranopia

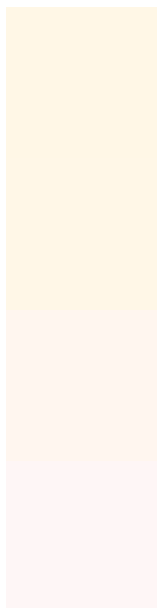
90.5249, 93.7032, 98.9033



Tritanopia

91.5755, 93.5956, 107.8470

Trichromacy



Original Color

88.7837, 93.4947, 88.2298

Protanomaly

88.9246, 93.5511, 88.9716

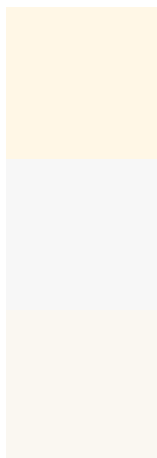
Deuteranomaly

89.7758, 93.4035, 94.9583

Tritanomaly

90.4634, 93.6362, 100.4944

Monochromacy



Original Color

88.7837, 93.4947, 88.2298

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.5623, 93.1964, 96.5401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.7837, 93.4947, 88.2298 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, 247, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 230)  
}
```

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, 247, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 230) }
```

Border

The CSS property to change the border of an element to XYZ 88.7837, 93.4947, 88.2298 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, 247, 230) }
```


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

```
.border{ border-color:rgb(255, 247, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 88.7837, 93.4947, 88.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 230) }
```

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

```
.background{ background-color: rgb(255,  
247, 230) }
```

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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