

Converting Colors

XYZ(101.8044, 100.0000,
87.3595)

Have a look what the booklet for
XYZ(101.8044, 100.0000, 87.3595)
contains.

XYZ(88.1994, 92.7730, 86.6572)	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(88.1994, 92.7730,
86.6572)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E4
RGB	255, 246, 228
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0353, 0.1059
CMYK	0.00, 0.04, 0.11, 0.00
HSL	40°, 100%, 95%
HSV	40°, 11%, 100%
XYZ	88.1994, 92.7730, 86.6572
YIQ	246.6390, 11.1420, -3.6900

Conversions

Conversions Part 2

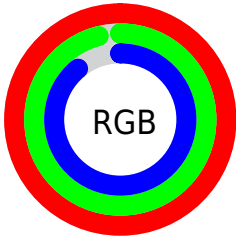
Format	Color
R _Y B	242, 255, 228
Decimal	16774884
CIE Lab	97.14, 0.04, 9.72
CIE LCh	97, 9.717, 89.767
Yxy	92.7730, 0.3296, 0.3466
Android (android.graphics.Color)	4294964964 (0xFFFFF6E4)
YUV	246.6390, -9.1890, 7.3326
Hunter-Lab	96.3187, -5.1047, 14.0804

Details

The XYZ color **88.1994, 92.7730, 86.6572** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3284, 84.2802, 106.6417**, and the grayscale version is **88.1827, 92.7751, 101.0321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.2450, 51.8498, 46.9477** is the 20% darker color. If you saturate the color by 10%, you get **82.3927, 86.4131, 68.5260**, and if you desaturate by 10%, it is **94.6507, 99.5859, 107.5816**.

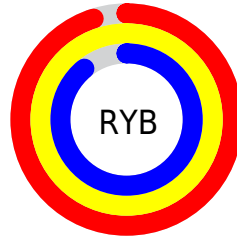
Distribution



Red (100%)

Green (96%)

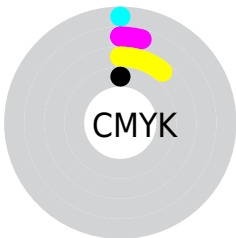
Blue (89%)



Red (95%)

Yellow (100%)

Blue (89%)

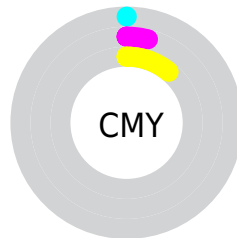


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.1994, 92.7730, 86.6572 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 88.1994, 92.7730, 86.6572 by changing the saturation by 10% instead.


 88.1994, 92.7730,
86.6572

 88.1994, 92.7730,
86.6572


510.4816,
537.0106, 537.3827

 66.8196, 70.2828,
64.6536


143.7258,
151.1843, 144.5809

 49.2082, 51.7572,
46.7307


178.6031,
187.8742, 181.3380

 34.9998, 36.8115,
32.4700


218.7103,
230.0662, 223.8500

 23.8293, 25.0616,
21.4529

264.4127,
278.1446, 272.5355

 15.3311, 16.1230,
13.2610

316.0757,
332.4939, 327.8130

 9.1399, 9.6112,
7.4757

374.0646,

 4.8904, 5.1419,

393.4984, 390.1010

3.6784

438.7448,
461.5425, 459.8180

■ 2.2172, 2.3308,
1.4506

■ 0.7518, 0.7899,
0.1807

■ 88.1994, 92.7730,
86.6572

■ 88.1994, 92.7730,
86.6572

■ 82.3927, 86.4131,
68.5260

94.6507, 99.5859,
107.5816

■ 77.1999, 80.4823,
53.0617

95.0500, 100.0000,
108.9000

■ 72.5972, 74.9716,
40.1370

■ 68.5563, 69.8670,
29.6117

■ 65.0466, 65.1537,
21.3319

■ 62.0337, 60.8152,
15.1259

■ 59.4786, 56.8331,
10.7966

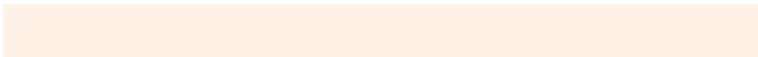
■ 57.3349, 53.1860,
8.1083

■ 55.6246, 50.0292,
6.7249

Harmonies

Analogous

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



90.8589, 92.7730, 88.5242



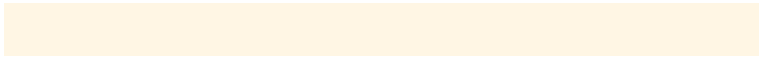
88.1994, 92.7730, 86.6572



85.5867, 92.7730, 88.4680

Triad

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



88.1994, 92.7730, 86.6572



83.6809, 92.7730, 108.6959



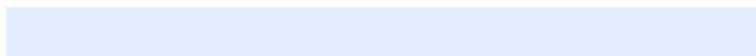
92.8111, 92.7730, 108.8077

Complementary

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



88.1994, 92.7730, 86.6572



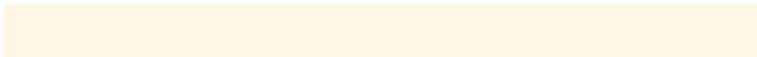
80.3284, 84.2802, 106.6417

Split Complementary

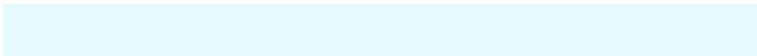
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8210, 92.7730, 114.6934



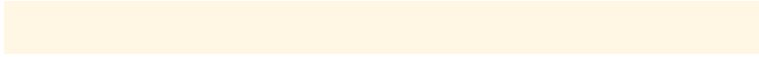
88.1994, 92.7730, 86.6572



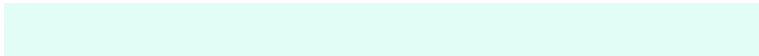
85.5503, 92.7730, 114.6266

Square

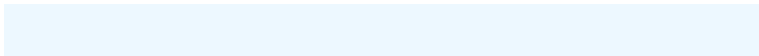
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1994, 92.7730, 86.6572



83.0111, 92.7730, 100.9526



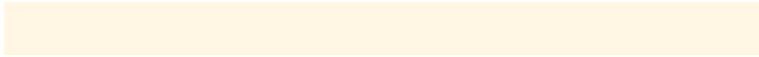
88.1565, 92.7730, 116.8749



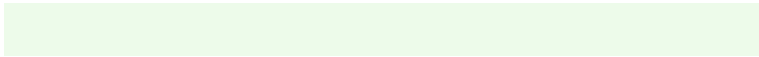
93.5549, 92.7730, 101.0755

Rectangle

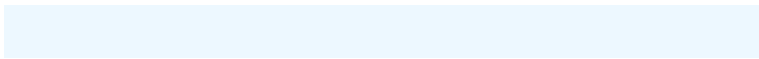
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1994, 92.7730, 86.6572



84.2147, 92.7730, 91.5736



88.1565, 92.7730, 116.8749



92.2637, 92.7730, 111.0820

Sweetspot

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



88.2015, 92.7769, 86.6592



93.0350, 97.9018, 102.2726



84.2702, 82.8623, 91.6742



19.8002, 20.8365, 21.5208



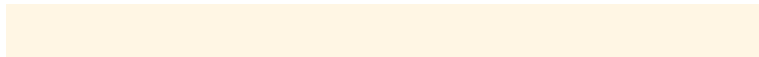
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

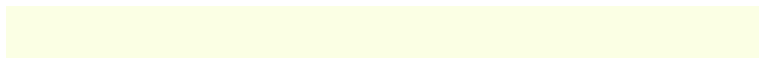
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2015, 92.7769, 86.6592



86.7424, 91.2013, 82.0337



89.3677, 97.5381, 87.5167



19.0215, 20.0113, 19.0043



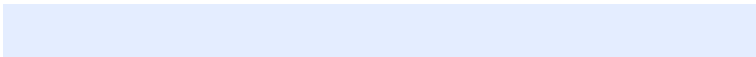
29.2080, 26.4273, 3.5615



2.9444, 2.7742, 0.3803

Inverse Universe

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



80.3284, 84.2802, 106.6417



77.2369, 80.9433, 106.1605



79.2357, 79.9477, 105.8630



17.4974, 18.3663, 22.8728



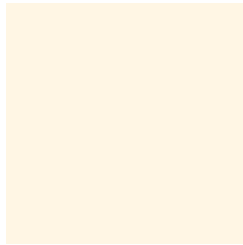
11.2486, 7.4068, 50.2714



1.1909, 0.9124, 4.9266

Previews

White Background



This preview shows how the XYZ color 88.1994, 92.7730, 86.6572 looks on a white background.

Color Contrast Check

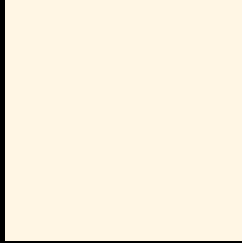
Large Text (above 18pt) WCAG AA × Fail

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 88.1994, 92.7730, 86.6572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

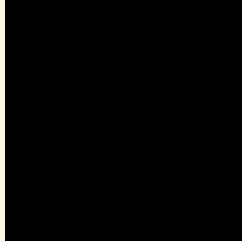
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.1994, 92.7730, 86.6572

Background



This preview shows how black text looks on a background with the XYZ color 88.1994, 92.7730, 86.6572.



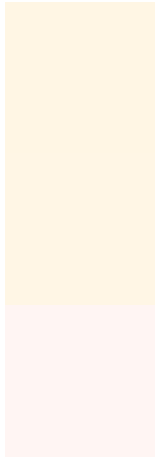
This preview shows how white text looks on a background with the XYZ color 88.1994, 92.7730,

86.6572.

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

88.1994, 92.7730, 86.6572

Protanopia

88.3386, 92.8287, 87.3905

Deuteranopia

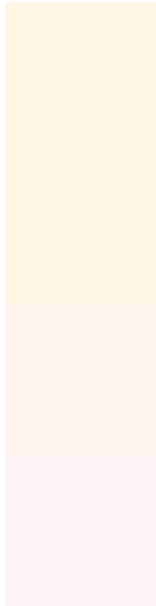
90.0701, 93.0359, 98.0045



Tritanopia

91.3406, 92.5812, 107.6635

Trichromacy



Original Color

88.1994, 92.7730, 86.6572

Protanomaly

88.3386, 92.8287, 87.3905

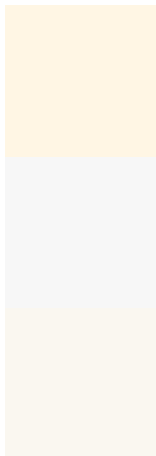
Deuteranomaly

89.3250, 92.7379, 94.0812

Tritanomaly

90.0721, 92.5539, 99.5036

Monochromacy



Original Color

88.1994, 92.7730, 86.6572

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.4133, 93.1368, 95.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.1994, 92.7730, 86.6572 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, 246, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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(255, 246, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 228) }
```

Border

The CSS property to change the border of an element to XYZ 88.1994, 92.7730, 86.6572 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, 246, 228) }
```


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

```
.border{ border-color:rgb(255, 246, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 88.1994, 92.7730, 86.6572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 228) }
```

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

```
.background{ background-color: rgb(255,  
246, 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](#).

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