

Converting Colors

XYZ(88.6858, 93.7982, 86.6579)

Have a look what the booklet for
XYZ(88.6858, 93.7982, 86.6579)
contains.

XYZ(88.8110, 93.9962, 86.8610)	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(88.8110, 93.9962,
86.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8E4
RGB	255, 248, 228
RGB Percent	100%, 97%, 89%
CMY	0.0000, 0.0274, 0.1059
CMYK	0.00, 0.03, 0.11, 0.00
HSL	44°, 100%, 95%
HSV	44°, 11%, 100%
XYZ	88.8110, 93.9962, 86.8610
YIQ	247.8130, 10.5920, -4.7360

Conversions

Conversions Part 2

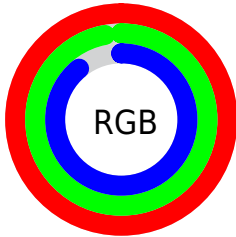
Format	Color
R _Y B	237, 255, 228
Decimal	16775396
CIE Lab	97.63, -0.97, 10.43
CIE LCh	98, 10.471, 95.314
Yxy	93.9962, 0.3293, 0.3486
Android (android.graphics.Color)	4294965476 (0xFFFFF8E4)
YUV	247.8130, -9.7678, 6.3030
Hunter-Lab	96.9516, -6.1533, 14.7470

Details

The XYZ color **88.8110, 93.9962, 86.8610** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.7526, 83.1285, 106.4497**, and the grayscale version is **89.1435, 93.7859, 102.1328**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.6812, 52.7222, 47.0931** is the 20% darker color. If you saturate the color by 10%, you get **83.5341, 88.6959, 68.9065**, and if you desaturate by 10%, it is **94.6860, 99.6565, 107.5933**.

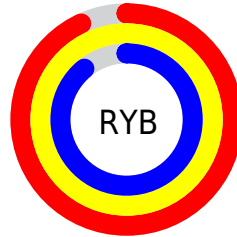
Distribution



Red (100%)

Green (97%)

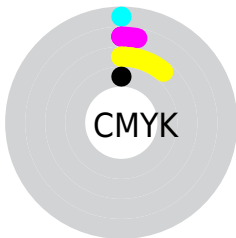
Blue (89%)



Red (93%)

Yellow (100%)

Blue (89%)

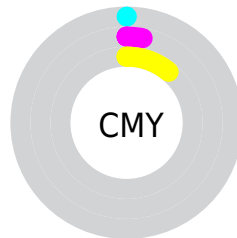


Cyan (0%)

Magenta (3%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.8110, 93.9962, 86.8610 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 88.8110, 93.9962, 86.8610 by changing the saturation by 10% instead.


 88.8110, 93.9962,
86.8610

 88.8110, 93.9962,
86.8610


512.4512,
540.9464, 538.0704

 67.3279, 71.2998,
64.8212


144.5725,
152.8771, 144.8675

 49.6229, 52.5869,
46.8657


179.5816,
189.8304, 181.6714

 35.3304, 37.4731,
32.5759


219.8301,
232.3047, 224.2336

 24.0852, 25.5740,
21.5333

265.6834,
280.6845, 272.9729

 15.5219, 16.5052,
13.3194

317.5068,
335.3542, 328.3076

 9.2752, 9.8824,
7.5155

375.6657,

 4.9796, 5.3210,

396.6982, 390.6564

3.7032

440.5253,
465.1008, 460.4378

■ 2.2700, 2.4368,
1.4640

■ 0.7792, 0.8447,
0.1909

■ 88.8110, 93.9962,
86.8610

■ 88.8110, 93.9962,
86.8610

■ 83.5341, 88.6959,
68.9065

94.6860, 99.6565,
107.5933

■ 78.8255, 83.7335,
53.6036

95.0500, 100.0000,
108.9000

■ 74.6621, 79.1014,
40.8253

■ 71.0167, 74.7877,
30.4318

■ 67.8592, 70.7791,
22.2695

■ 65.1566, 67.0611,
16.1669

■ 62.8706, 63.6172,
11.9273

■ 60.9558, 60.4278,
9.3153

■ 59.4251, 57.6303,
7.9917

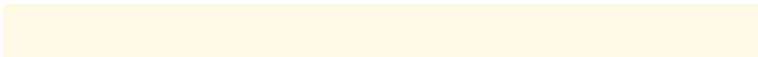
Harmonies

Analogous

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



91.7550, 93.9962, 88.1484



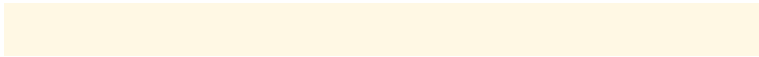
88.8110, 93.9962, 86.8610



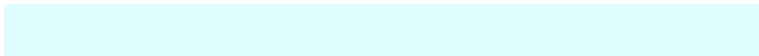
86.0693, 93.9962, 89.5312

Triad

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



88.8110, 93.9962, 86.8610



84.7462, 93.9962, 112.1275



94.6484, 93.9962, 109.3534

Complementary

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



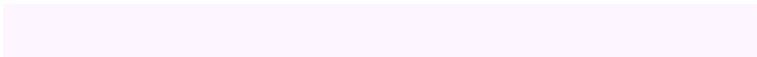
88.8110, 93.9962, 86.8610



79.7526, 83.1285, 106.4497

Split Complementary

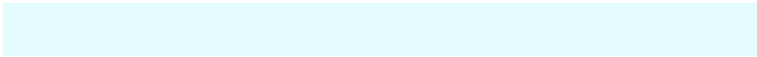
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.6937, 93.9962, 116.3284



88.8110, 93.9962, 86.8610



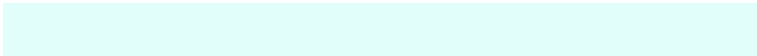
86.9689, 93.9962, 117.9914

Square

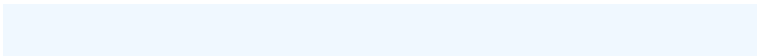
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8110, 93.9962, 86.8610



83.7561, 93.9962, 103.8731



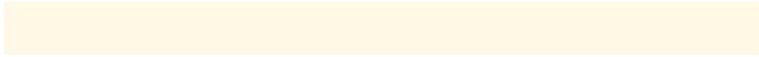
89.8722, 93.9962, 119.5697



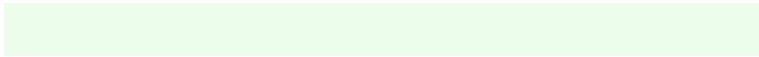
95.1680, 93.9962, 100.8337

Rectangle

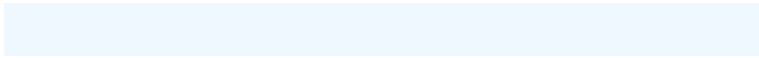
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8110, 93.9962, 86.8610



84.7115, 93.9962, 93.2887



89.8722, 93.9962, 119.5697



94.1353, 93.9962, 111.9711

Sweetspot

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



88.8131, 94.0001, 86.8630



93.2136, 98.2591, 102.3322



84.0084, 82.7576, 90.2960



19.8485, 20.9331, 21.5369



0.0000, 0.0000, 0.0000



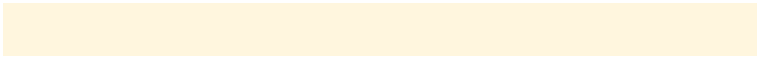
20.3446, 21.4041, 23.3091

Same Dimension

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



88.8131, 94.0001, 86.8630



87.4861, 92.6886, 82.2816



88.7241, 97.2063, 87.4865



19.1396, 20.2473, 19.0437



31.1782, 30.3676, 4.2183



3.1241, 3.1335, 0.4402

Inverse Universe

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



79.7526, 83.1285, 106.4497



76.5470, 79.5634, 105.9306



79.8246, 80.2513, 105.8906



17.3855, 18.1426, 22.8355



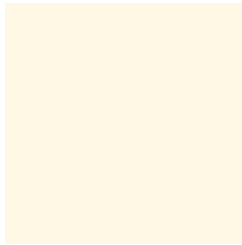
10.5527, 6.0150, 50.0394



1.1113, 0.7533, 4.9001

Previews

White Background



This preview shows how the XYZ color 88.8110, 93.9962, 86.8610 looks on a white background.

Color Contrast Check

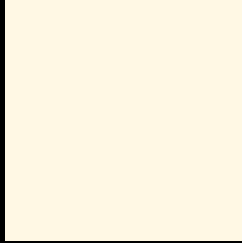
Large Text (above 18pt) WCAG AA × Fail

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 88.8110, 93.9962, 86.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

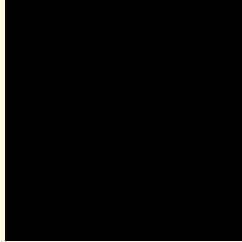
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.8110, 93.9962, 86.8610

Background



This preview shows how black text looks on a background with the XYZ color 88.8110, 93.9962, 86.8610.



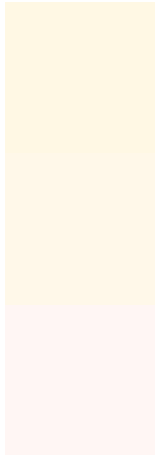
This preview shows how white text looks on a background with the XYZ color 88.8110, 93.9962,

86.8610.

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

88.8110, 93.9962, 86.8610

Protanopia

89.5154, 94.2780, 90.5703

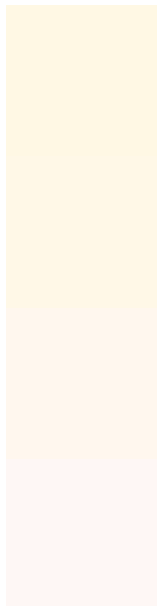
Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

91.8788, 94.2024, 107.9481

Trichromacy



Original Color

88.8110, 93.9962, 86.8610

Protanomaly

89.2312, 94.1643, 89.0738

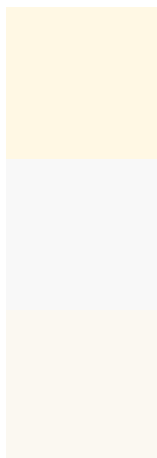
Deuteranomaly

89.9334, 93.9546, 94.2840

Tritanomaly

90.6152, 94.1849, 99.7898

Monochromacy



Original Color

88.8110, 93.9962, 86.8610

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

89.2282, 93.9949, 96.6591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.8110, 93.9962, 86.8610 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, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 228) }
```

Border

The CSS property to change the border of an element to XYZ 88.8110, 93.9962, 86.8610 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, 228) }
```


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

```
.border{ border-color:rgb(255, 248, 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, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 88.8110, 93.9962, 86.8610 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, 228) }
```

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

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