

Converting Colors

XYZ(97.1975, 100.0000,
69.2760)

Have a look what the booklet for
XYZ(97.1975, 100.0000, 69.2760)
contains.

XYZ(86.2798, 94.4714, 68.9457)	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(86.2798, 94.4714,
68.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBC9
RGB	255, 251, 201
RGB Percent	100%, 98%, 79%
CMY	0.0000, 0.0157, 0.2118
CMYK	0.00, 0.02, 0.21, 0.00
HSL	56°, 100%, 89%
HSV	56°, 21%, 100%
XYZ	86.2798, 94.4714, 68.9457
YIQ	246.4960, 18.4340, -14.7020

Conversions

Conversions Part 2

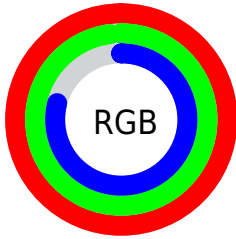
Format	Color
R _Y B	205, 255, 201
Decimal	16776137
CIE Lab	97.82, -6.48, 24.50
CIE LCh	98, 25.344, 104.819
Yxy	94.4714, 0.3455, 0.3783
Android (android.graphics.Color)	4294966217 (0xFFFFFBC9)
YUV	246.4960, -22.4295, 7.4580
Hunter-Lab	97.1964, -11.6419, 25.9805

Details

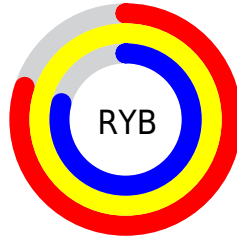
The XYZ color **86.2798, 94.4714, 68.9457** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.9683, 63.2984, 103.4541**, and the grayscale version is **88.1666, 92.7581, 101.0136**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0703, 53.1426, 35.3277** is the 20% darker color. If you saturate the color by 10%, you get **82.9402, 92.2008, 54.2416**, and if you desaturate by 10%, it is **90.1278, 96.9612, 86.2784**.

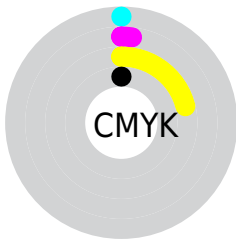
Distribution



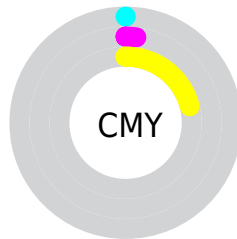
- Red (100%)
- Green (98%)
- Blue (79%)



- Red (80%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (2%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2798, 94.4714, 68.9457 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 86.2798, 94.4714, 68.9457 by changing the saturation by 10% instead.


 86.2798, 94.4714,
68.9457

 86.2798, 94.4714,
68.9457


504.2735,
542.4713, 475.5282

 65.2254, 71.6951,
50.1960


141.0647,
153.5341, 119.3710

 47.9093, 52.9096,
35.1969


175.5259,
190.5893, 151.8837

 33.9660, 37.7306,
23.5298


215.1868,
233.1730, 189.8211

 23.0302, 25.7737,
14.7762

260.4127,
281.6694, 233.6018

 14.7367, 16.6544,
8.5176

311.5689,
336.4631, 283.6443

 8.7199, 9.9884,
4.3354

369.0209,

 4.6146, 5.3913,

397.9384, 340.3672

1.8111

433.1340,
466.4797, 404.1890

■ 2.0554, 2.4786,
0.4353

■ 0.6648, 0.8659,
0.0000

■ 86.2798, 94.4714,
68.9457

■ 86.2798, 94.4714,
68.9457

■ 82.9402, 92.2008,
54.2416

■ 90.1278, 96.9612,
86.2784

■ 80.0777, 90.1271,
42.0308

■ 94.5003, 99.6670,
106.3542

■ 77.6679, 88.2439,
32.1749

■ 95.0500, 100.0000,
108.9000

■ 75.6814, 86.5393,
24.5198

■ 74.0856, 85.0003,
18.8929

■ 72.8426, 83.6116,
15.0960

■ 71.9074, 82.3553,
12.8909

■ 71.2759, 81.3319,
11.9420

Harmonies

Analogous

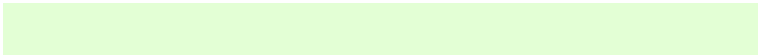
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4857, 94.4714, 68.9955



86.2798, 94.4714, 68.9457



80.3363, 94.4714, 77.1047

Triad

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



86.2798, 94.4714, 68.9457



80.2787, 94.4714, 133.5897



103.9030, 94.4714, 113.6562

Complementary

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



86.2798, 94.4714, 68.9457



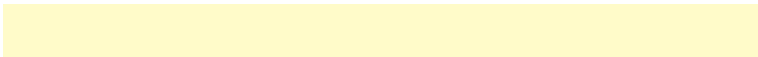
63.9683, 63.2984, 103.4541

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.



99.9625, 94.4714, 133.8012



86.2798, 94.4714, 68.9457



86.1973, 94.4714, 146.3190

Square

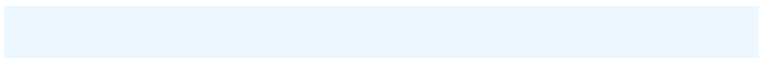
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2798, 94.4714, 68.9457



77.0002, 94.4714, 113.3971



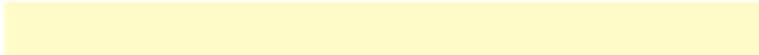
93.3987, 94.4714, 146.4013



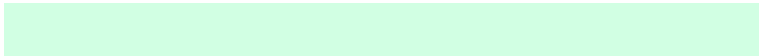
103.9280, 94.4714, 93.0029

Rectangle

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



86.2798, 94.4714, 68.9457



77.7786, 94.4714, 86.8215



93.3987, 94.4714, 146.4013



102.9834, 94.4714, 120.7685

Sweetspot

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



86.2820, 94.4755, 68.9477



92.3237, 98.3336, 96.3189



73.2073, 67.4663, 67.2397



19.7001, 21.0097, 20.3362



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

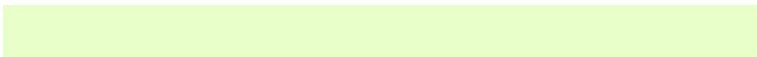
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2820, 94.4755, 68.9477



84.9458, 93.5812, 63.0204



79.7444, 92.9769, 69.0030



19.4395, 20.8471, 19.1437



37.2918, 42.5947, 6.2561



3.6639, 4.2132, 0.6201

Inverse Universe

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



63.9683, 63.2984, 103.4541



59.3308, 57.7928, 102.6358



69.5232, 64.7620, 103.4438



17.1109, 17.5934, 22.7440



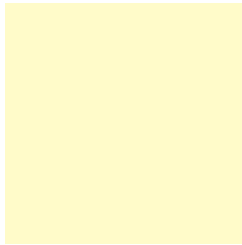
9.5905, 4.0906, 49.7187



0.9695, 0.4697, 4.8528

Previews

White Background



This preview shows how the XYZ color 86.2798, 94.4714, 68.9457 looks on a white background.

Color Contrast Check

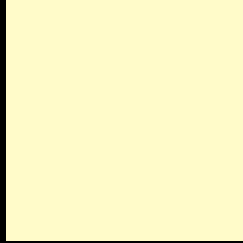
Large Text (above 18pt) WCAG AA × Fail

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 86.2798, 94.4714, 68.9457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

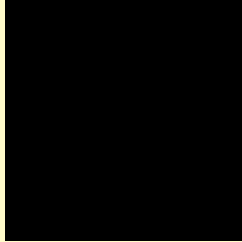
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.2798, 94.4714, 68.9457

Background



This preview shows how black text looks on a background with the XYZ color 86.2798, 94.4714, 68.9457.

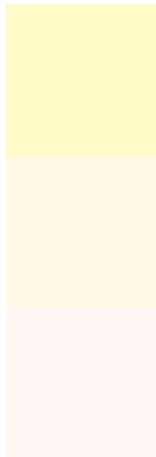


This preview shows how white text looks on a background with the XYZ color 86.2798, 94.4714,

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

86.2798, 94.4714, 68.9457

Protanopia

89.3986, 94.7245, 88.4348

Deuteranopia

90.6784, 94.2526, 98.2073



Tritanopia

92.0852, 94.3273, 107.1195

Trichromacy



Original Color

86.2798, 94.4714, 68.9457



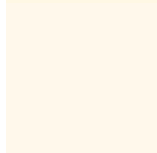
Protanomaly

88.2118, 94.7457, 80.6563



Deuteranomaly

88.8110, 93.9962, 86.8610



Tritanomaly

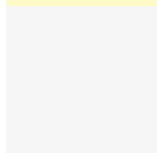
89.8028, 94.3930, 92.0838

Monochromacy



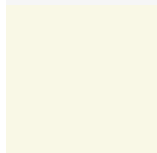
Original Color

86.2798, 94.4714, 68.9457



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.9173, 92.9877, 88.2303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.2798, 94.4714, 68.9457 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, 251, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 201)  
}
```

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, 251, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 201) }
```

Border

The CSS property to change the border of an element to XYZ 86.2798, 94.4714, 68.9457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

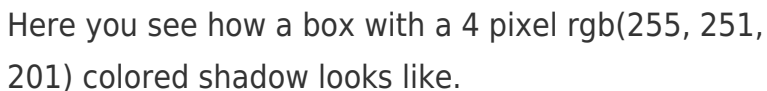
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 251, 201) }
```


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

```
.border{ border-color:rgb(255, 251, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 251, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 251, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 251, 201); box-shadow:4px 4px 4px 4px rgb(255, 251, 201) }
```

Background

The CSS property to change the background color of an element to XYZ 86.2798, 94.4714, 68.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 201) }
```

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

```
.background{ background-color: rgb(255,  
251, 201) }
```

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