

Converting Colors

XYZ(98.9363, 100.0000,
82.0255)

Have a look what the booklet for
XYZ(98.9363, 100.0000, 82.0255)
contains.

XYZ(88.0339, 94.1787, 81.2486)	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(88.0339, 94.1787,
81.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9DC
RGB	255, 249, 220
RGB Percent	100%, 98%, 86%
CMY	0.0000, 0.0235, 0.1372
CMYK	0.00, 0.02, 0.14, 0.00
HSL	50°, 100%, 93%
HSV	50°, 14%, 100%
XYZ	88.0339, 94.1787, 81.2486
YIQ	247.4880, 12.8850, -7.7470

Conversions

Conversions Part 2

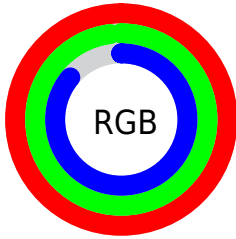
Format	Color
R_{YB}	227, 255, 220
Decimal	16775644
CIE _{Lab}	97.70, -2.72, 14.64
CIE _{LCh}	98, 14.886, 100.514
Yxy	94.1787, 0.3341, 0.3575
Android (android.graphics.Color)	4294965724 (0xFFFFF9DC)
YUV	247.4880, -13.5516, 6.5880
Hunter-Lab	97.0457, -7.9058, 18.2932

Details

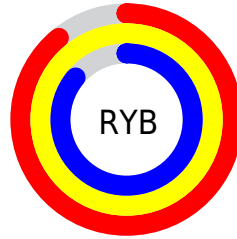
The XYZ color **88.0339, 94.1787, 81.2486** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.7610, 76.8263, 105.4964**, and the grayscale version is **88.9069, 93.5370, 101.8618**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.1502, 52.8623, 43.2103** is the 20% darker color. If you saturate the color by 10%, you get **83.5775, 90.2645, 64.3528**, and if you desaturate by 10%, it is **93.0415, 98.3698, 100.8720**.

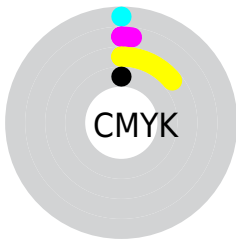
Distribution



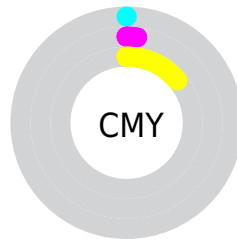
- Red (100%)
- Green (98%)
- Blue (86%)



- Red (89%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.0339, 94.1787, 81.2486 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 88.0339, 94.1787, 81.2486 by changing the saturation by 10% instead.


 88.0339, 94.1787,
81.2486

 88.0339, 94.1787,
81.2486


509.9480,
541.5323, 518.9481

 66.6820, 71.4516,
60.2142


143.4966,
153.1295, 136.9470

 49.0960, 52.7108,
43.1649


178.3382,
190.1219, 172.4480

 34.9105, 37.5720,
29.6821


218.4071,
232.6382, 213.6084

 23.7601, 25.6506,
19.3474

264.0686,
281.0629, 260.8465

 15.2796, 16.5625,
11.7422

315.6880,
335.7802, 314.5810

 9.1034, 9.9230,
6.4480

373.6309,

 4.8663, 5.3480,

397.1746, 375.2304

3.0462

438.2624,
465.6305, 443.2133

■ 2.2030, 2.4528,
1.1183

■ 0.7443, 0.8529,
0.0000

■ 88.0339, 94.1787,
81.2486

■ 88.0339, 94.1787,
81.2486

■ 83.5775, 90.2645,
64.3528

■ 93.0415, 98.3698,
100.8720

■ 79.6419, 86.6053,
50.0560

95.0500, 100.0000,
108.9000

■ 76.2043, 83.1948,
38.2282

■ 73.2369, 80.0217,
28.7259

■ 70.7097, 77.0734,
21.3905

■ 68.5886, 74.3361,
16.0438

■ 66.8340, 71.7935,
12.4791

■ 65.3979, 69.4261,
10.4440

■ 64.6163, 68.0126,
9.7221

Harmonies

Analogous

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



92.2626, 94.1787, 82.0612



88.0339, 94.1787, 81.2486



84.3190, 94.1787, 85.7904

Triad

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



88.0339, 94.1787, 81.2486



83.4549, 94.1787, 118.4811



97.4259, 94.1787, 110.5362

Complementary

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



88.0339, 94.1787, 81.2486



74.7610, 76.8263, 105.4964

Split Complementary

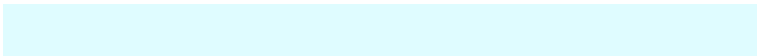
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9181, 94.1787, 121.3493



88.0339, 94.1787, 81.2486



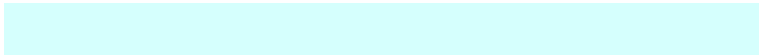
86.8206, 94.1787, 126.1810

Square

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



88.0339, 94.1787, 81.2486



81.7313, 94.1787, 106.8665



91.0107, 94.1787, 127.2702



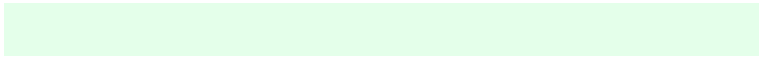
97.7757, 94.1787, 98.3408

Rectangle

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



88.0339, 94.1787, 81.2486



82.5999, 94.1787, 91.4707



91.0107, 94.1787, 127.2702



96.8036, 94.1787, 114.4780

Sweetspot

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



88.0362, 94.1827, 81.2506



92.8962, 98.2509, 100.2944



80.6187, 77.9614, 83.0518



19.7991, 20.9604, 21.1316



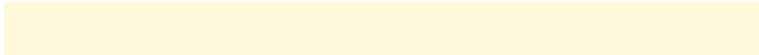
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



88.0362, 94.1827, 81.2506



86.9745, 93.2679, 77.1708



85.9581, 95.9057, 81.6927



19.2809, 20.5301, 19.0908



33.8607, 35.7325, 5.1124



3.3636, 3.6126, 0.5200

Inverse Universe

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



74.7610, 76.8263, 105.4964



71.7459, 73.3581, 104.9859



76.6261, 75.4105, 105.1248



17.2544, 17.8804, 22.7918



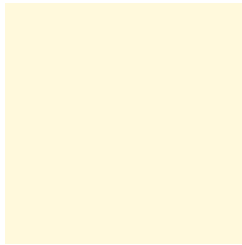
9.9685, 4.8466, 49.8447



1.0370, 0.6048, 4.8753

Previews

White Background



This preview shows how the XYZ color 88.0339, 94.1787, 81.2486 looks on a white background.

Color Contrast Check

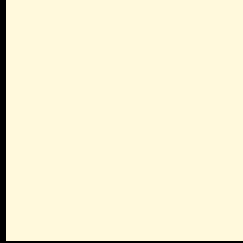
Large Text (above 18pt) WCAG AA × Fail

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 88.0339, 94.1787, 81.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

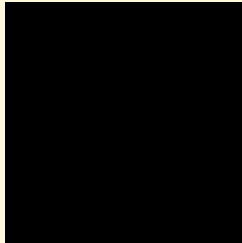
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.0339, 94.1787, 81.2486

Background



This preview shows how black text looks on a background with the XYZ color 88.0339, 94.1787, 81.2486.



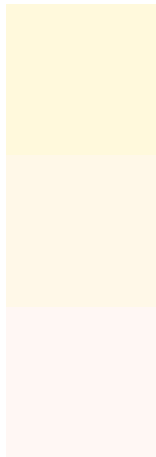
This preview shows how white text looks on a background with the XYZ color 88.0339, 94.1787, 81.2486.

81.2486.

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

88.0339, 94.1787, 81.2486

Protanopia

89.3729, 94.2210, 89.8199

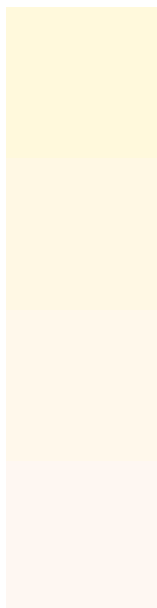
Deuteranopia

90.8299, 94.3132, 99.0050

Tritanopia

91.8788, 94.2024, 107.9481

Trichromacy



Original Color

88.0339, 94.1787, 81.2486

Protanomaly

88.8110, 93.9962, 86.8610

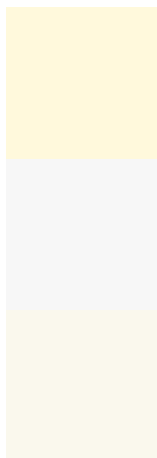
Deuteranomaly

89.8028, 94.3930, 92.0838

Tritanomaly

90.1608, 94.0032, 97.3968

Monochromacy



Original Color

88.0339, 94.1787, 81.2486

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.2778, 93.5732, 93.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.0339, 94.1787, 81.2486 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, 249, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 220)  
}
```

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, 249, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 220) }
```

Border

The CSS property to change the border of an element to XYZ 88.0339, 94.1787, 81.2486 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, 249, 220) }
```


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

```
.border{ border-color:rgb(255, 249, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 88.0339, 94.1787, 81.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 220) }
```

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

```
.background{ background-color: rgb(255,  
249, 220) }
```

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