

# Converting Colors

XYZ(100.1294, 100.0000,  
87.9615)

Have a look what the booklet for  
XYZ(100.1294, 100.0000, 87.9615)  
contains.

<b>XYZ(88.9503, 94.0519, 87.5944)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(88.9503, 94.0519,  
87.5944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8E5
RGB	255, 248, 229
RGB Percent	100%, 97%, 90%
CMY	0.0000, 0.0274, 0.1020
CMYK	0.00, 0.03, 0.10, 0.00
HSL	44°, 100%, 95%
HSV	44°, 10%, 100%
XYZ	88.9503, 94.0519, 87.5944
YIQ	247.9270, 10.2710, -4.4250

# Conversions

## Conversions Part 2

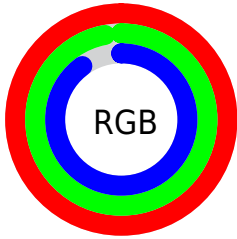
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 255, 229
Decimal	16775397
CIE <sub>Lab</sub>	97.65, -0.81, 9.94
CIE <sub>LCh</sub>	98, 9.977, 94.662
Yxy	94.0519, 0.3287, 0.3476
Android (android.graphics.Color)	4294965477 (0xFFFFF8E5)
YUV	247.9270, -9.3310, 6.2030
Hunter-Lab	96.9804, -5.9956, 14.3345

# Details

The XYZ color 88.9503, 94.0519, 87.5944 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.3579, 83.8668, 106.5603, and the grayscale version is 89.2333, 93.8804, 102.2358.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7783, 52.7610, 47.6047 is the 20% darker color. If you saturate the color by 10%, you get 83.5780, 88.5929, 69.5091, and if you desaturate by 10%, it is 94.9272, 99.8825, 108.4639.

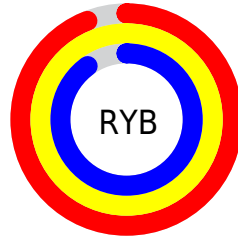
# Distribution



Red (100%)

Green (97%)

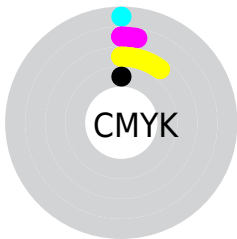
Blue (90%)



Red (94%)

Yellow (100%)

Blue (90%)

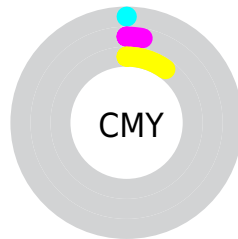


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9503, 94.0519, 87.5944 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 88.9503, 94.0519, 87.5944 by changing the saturation by 10% instead.




 88.9503, 94.0519,  
87.5944

 88.9503, 94.0519,  
87.5944


512.8992,  
541.1253, 540.5409

 67.4438, 71.3461,  
65.4248


144.7652,  
152.9541, 145.8985

 49.7174, 52.6247,  
47.3521


179.8043,  
189.9193, 182.8701

 35.4058, 37.5033,  
32.9577


220.0850,  
232.4065, 225.6127

 24.1436, 25.5974,  
21.8232

265.9726,  
280.8000, 274.5450

 15.5655, 16.5227,  
13.5300

317.8324,  
335.4843, 330.0854

 9.3061, 9.8948,  
7.6595

376.0299,

 5.0001, 5.3292,

396.8436, 392.6525

3.7932

440.9304,  
465.2625, 462.6648

■ 2.2821, 2.4417,  
1.5126

■ 0.7855, 0.8472,  
0.2273

■ 88.9503, 94.0519,  
87.5944

■ 88.9503, 94.0519,  
87.5944

■ 83.5780, 88.5929,  
69.5091

94.9272, 99.8825,  
108.4639

■ 78.7804, 83.4831,  
54.0821

95.0500, 100.0000,  
108.9000

■ 74.5345, 78.7151,  
41.1869

■ 70.8130, 74.2765,  
30.6839

■ 67.5859, 70.1541,  
22.4202

■ 64.8202, 66.3331,  
16.2250

■ 62.4778, 62.7969,  
11.9028

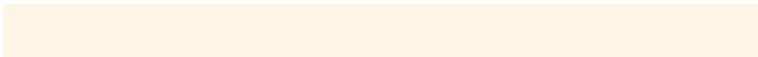
■ 60.5134, 59.5261,  
9.2201

■ 58.8834, 56.5468,  
7.8111

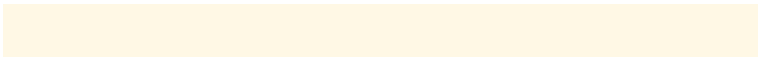
# Harmonies

## Analogous

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



91.7512, 94.0519, 88.9102



88.9503, 94.0519, 87.5944



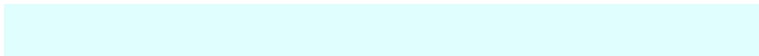
86.3231, 94.0519, 90.0723

# Triad

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



88.9503, 94.0519, 87.5944



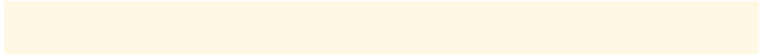
84.9761, 94.0519, 111.5626



94.4211, 94.0519, 109.2473

# Complementary

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



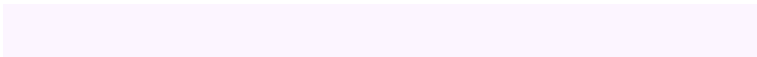
88.9503, 94.0519, 87.5944



80.3579, 83.8668, 106.5603

# Split Complementary

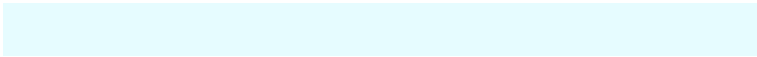
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5359, 94.0519, 115.8183



88.9503, 94.0519, 87.5944



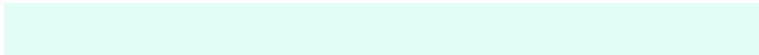
87.0765, 94.0519, 117.2040

# Square

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



88.9503, 94.0519, 87.5944



84.0597, 94.0519, 103.6832



89.8382, 94.0519, 118.8009



94.9483, 94.0519, 101.1404



# Rectangle

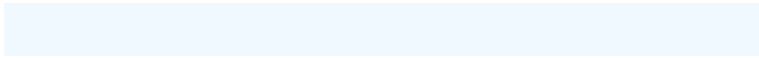
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9503, 94.0519, 87.5944



85.0118, 94.0519, 93.6233



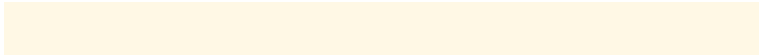
89.8382, 94.0519, 118.8009



93.9233, 94.0519, 111.7226

# Sweetspot

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



88.9524, 94.0558, 87.5964



93.1896, 98.2110, 102.3241



84.4537, 83.3772, 91.2797



19.8420, 20.9201, 21.5348



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

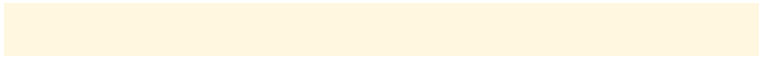


# Same Dimension

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



88.9524, 94.0558, 87.5964



87.9388, 93.0433, 84.1301



89.1010, 97.3845, 88.2311



19.1236, 20.2154, 19.0384



30.8977, 29.8067, 4.1248



3.0987, 3.0828, 0.4317

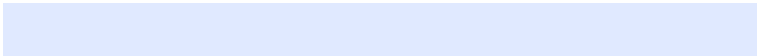


# Inverse Universe

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



80.3579, 83.8668, 106.5603



77.9494, 81.2009, 106.1727



80.2103, 80.8597, 105.9877



17.4005, 18.1726, 22.8405



10.6351, 6.1797, 50.0669

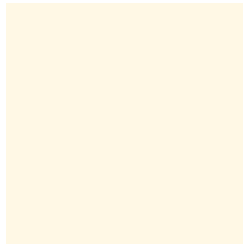


1.1211, 0.7729, 4.9034



# Previews

## White Background



This preview shows how the XYZ color 88.9503, 94.0519, 87.5944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

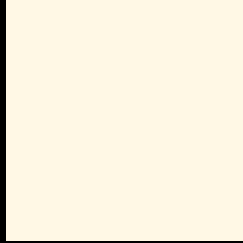
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9503, 94.0519, 87.5944 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

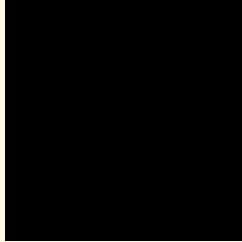
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.9503, 94.0519, 87.5944

## Background



This preview shows how black text looks on a background with the XYZ color 88.9503, 94.0519, 87.5944.



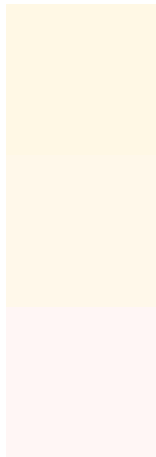
This preview shows how white text looks on a background with the XYZ color 88.9503, 94.0519,

87.5944.

# 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

88.9503, 94.0519, 87.5944

### Protanopia

89.6587, 94.3353, 91.3249

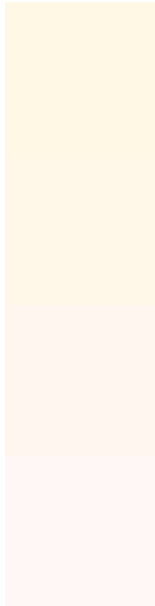
### Deuteranopia

90.6772, 93.7641, 99.7053

## **Tritanopia**

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

88.9503, 94.0519, 87.5944

## Protanomaly

89.3729, 94.2210, 89.8199

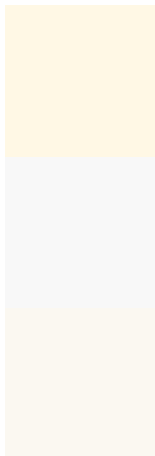
## Deuteranomaly

90.0808, 94.0135, 95.0600

## Tritanomaly

90.7684, 94.2462, 100.5961

# Monochromacy



## Original Color

88.9503, 94.0519, 87.5944

## 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 88.9503, 94.0519, 87.5944 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9503, 94.0519, 87.5944 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, 229) }
```



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

```
.border{ border-color:rgb(255, 248, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9503, 94.0519, 87.5944 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
248, 229) }
```

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