

# Converting Colors

XYZ(99.5593, 101.0900,  
82.0701)

Have a look what the booklet for  
XYZ(99.5593, 101.0900, 82.0701)  
contains.

<b>XYZ(88.6554, 95.4217, 81.4557)</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(88.6554, 95.4217,  
81.4557)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFBDC
RGB	255, 251, 220
RGB Percent	100%, 98%, 86%
CMY	0.0000, 0.0157, 0.1372
CMYK	0.00, 0.02, 0.14, 0.00
HSL	53°, 100%, 93%
HSV	53°, 14%, 100%
XYZ	88.6554, 95.4217, 81.4557
YIQ	248.6620, 12.3350, -8.7930

# Conversions

## Conversions Part 2

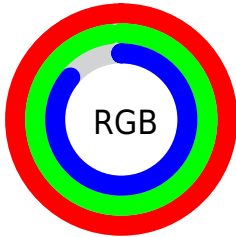
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 255, 220
Decimal	16776156
CIE Lab	98.20, -3.72, 15.34
CIE LCh	98, 15.786, 103.626
Yxy	95.4217, 0.3339, 0.3594
Android (android.graphics.Color)	4294966236 (0xFFFFBDC)
YUV	248.6620, -14.1304, 5.5584
Hunter-Lab	97.6840, -8.9453, 18.9387

# Details

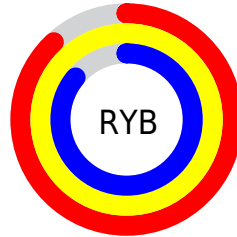
The XYZ color **88.6554, 95.4217, 81.4557** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.2202, 75.7448, 105.3161**, and the grayscale version is **89.8723, 94.5527, 102.9679**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.5953, 53.7526, 43.3586** is the 20% darker color. If you saturate the color by 10%, you get **84.6312, 92.3719, 64.7040**, and if you desaturate by 10%, it is **93.2134, 98.7137, 100.9293**.

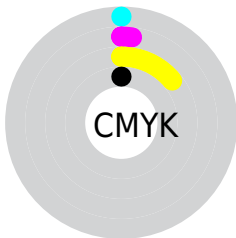
# Distribution



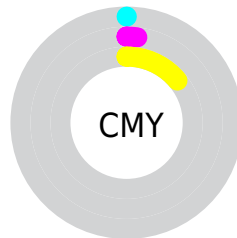
- Red (100%)
- Green (98%)
- Blue (86%)



- Red (88%)
- 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 88.6554, 95.4217, 81.4557 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 88.6554, 95.4217, 81.4557 by changing the saturation by 10% instead.




 88.6554, 95.4217,  
81.4557

 88.6554, 95.4217,  
81.4557


511.9505,  
545.5141, 519.6608

 67.1986, 72.4860,  
60.3838


144.3571,  
154.8471, 137.2403

 49.5173, 53.5558,  
43.3007


179.3328,  
192.1055, 172.7900

 35.2462, 38.2466,  
29.7880


219.5454,  
234.9070, 214.0028

 24.0200, 26.1742,  
19.4270

265.3603,  
283.6360, 261.2971

 15.4733, 16.9540,  
11.7993

317.1429,  
338.6768, 315.0915

 9.2407, 10.2017,  
6.4863

375.2586,

 4.9569, 5.5329,

400.4138, 375.8046

3.0694

440.0727,  
469.2315, 443.8548

■ 2.2565, 2.5632,  
1.1302

■ 0.7723, 0.9082,  
0.0000

■ 88.6554, 95.4217,  
81.4557

■ 88.6554, 95.4217,  
81.4557

■ 84.6312, 92.3719,  
64.7040

■ 93.2134, 98.7137,  
100.9293

■ 81.1106, 89.5426,  
50.5455

95.0500, 100.0000,  
108.9000

■ 78.0707, 86.9277,  
38.8504

■ 75.4843, 84.5163,  
29.4750

■ 73.3211, 82.2962,  
22.2610

■ 71.5474, 80.2537,  
17.0301

■ 70.1237, 78.3730,  
13.5756

■ 69.0022, 76.6348,  
11.6455

■ 68.4098, 75.5995,  
10.9866

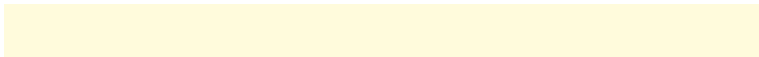
# Harmonies

## Analogous

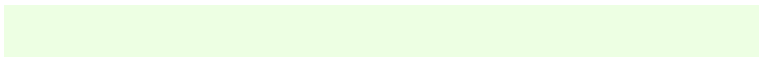
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1775, 95.4217, 81.7197



88.6554, 95.4217, 81.4557



84.8076, 95.4217, 86.8392

# Triad

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



88.6554, 95.4217, 81.4557



84.5250, 95.4217, 122.1102



99.3271, 95.4217, 111.1028

# Complementary

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



88.6554, 95.4217, 81.4557



74.2202, 75.7448, 105.3161

# Split Complementary

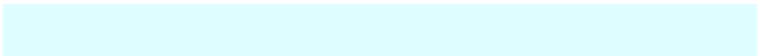
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8497, 95.4217, 123.0563



88.6554, 95.4217, 81.4557



88.2579, 95.4217, 129.7646

# Square

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



88.6554, 95.4217, 81.4557



82.4773, 95.4217, 109.8968



92.7666, 95.4217, 130.1247



99.4422, 95.4217, 98.1215

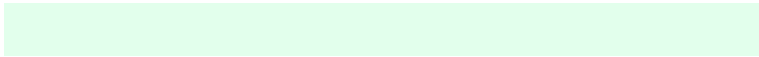


# Rectangle

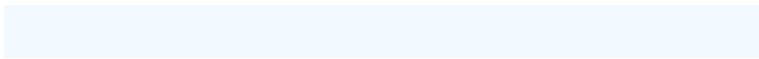
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6554, 95.4217, 81.4557



83.1008, 95.4217, 93.1880



92.7666, 95.4217, 130.1247



98.7393, 95.4217, 115.3987

# Sweetspot

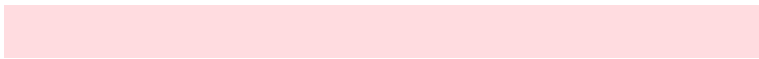
The Sweet Spot groups the original color and five complimentary colors.



88.6577, 95.4258, 81.4577



93.0807, 98.6200, 100.3559



80.2998, 77.8338, 81.3727



19.8459, 21.0541, 21.1472



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

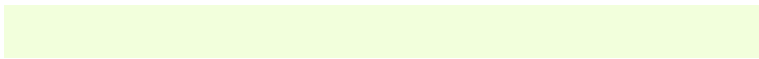
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6577, 95.4258, 81.4577



87.6959, 94.7107, 77.4113



85.1539, 95.4911, 81.6550



19.3738, 20.7158, 19.1218



35.8163, 39.6438, 5.7643



3.5355, 3.9563, 0.5773



# Inverse Universe

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



74.2202, 75.7448, 105.3161



71.1338, 72.1340, 104.7818



77.3846, 75.8015, 105.1603



17.1699, 17.7114, 22.7636



9.7151, 4.3397, 49.7602

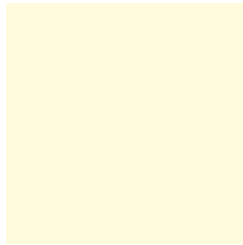


0.9973, 0.5252, 4.8621



# Previews

## White Background



This preview shows how the XYZ color 88.6554, 95.4217, 81.4557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

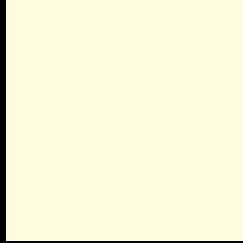
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.6554, 95.4217, 81.4557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

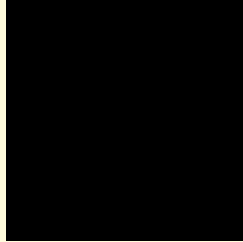
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.6554, 95.4217, 81.4557

## Background



This preview shows how black text looks on a background with the XYZ color 88.6554, 95.4217, 81.4557.



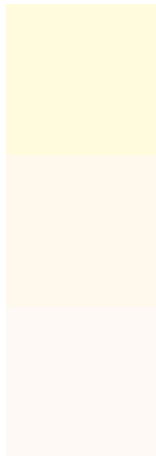
This preview shows how white text looks on a background with the XYZ color 88.6554, 95.4217,

81.4557.

# 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

88.6554, 95.4217, 81.4557

### Protanopia

90.4017, 95.1258, 93.7172

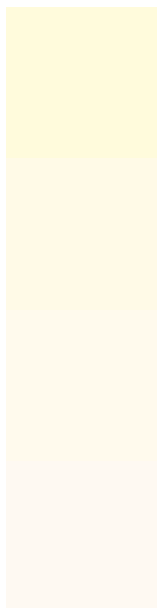
### Deuteranopia

91.7502, 95.6652, 100.8182

## **Tritanopia**

92.4905, 95.4256, 108.1520

# Trichromacy



## Original Color

88.6554, 95.4217, 81.4557

## Protanomaly

89.8494, 95.4007, 89.2799

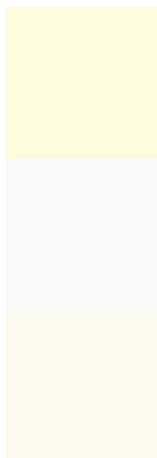
## Deuteranomaly

90.7117, 95.7456, 93.8205

## Tritanomaly

90.7757, 95.2330, 97.6018

# Monochromacy



## Original Color

88.6554, 95.4217, 81.4557

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.4019, 95.0535, 94.5241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.6554, 95.4217, 81.4557 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 88.6554, 95.4217, 81.4557 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, 220) }
```



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

```
.border{ border-color:rgb(255, 251, 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, 251, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.6554, 95.4217, 81.4557 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, 220) }
```

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

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