

# Converting Colors

XYZ(89.5434, 97.7498, 82.0505)

Have a look what the booklet for  
XYZ(89.5434, 97.7498, 82.0505)  
contains.

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# Color

**XYZ(89.5513, 97.7581,  
81.8595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFFDC
RGB	254, 255, 220
RGB Percent	100%, 100%, 86%
CMY	0.0039, 0.0000, 0.1372
CMYK	0.00, 0.00, 0.14, 0.00
HSL	62°, 100%, 93%
HSV	62°, 14%, 100%
XYZ	89.5513, 97.7581, 81.8595
YIQ	250.7110, 10.6390, -11.0970

# Conversions

## Conversions Part 2

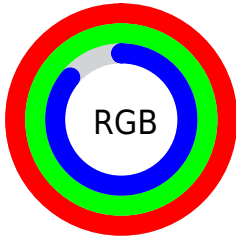
Format	Color
R <sub>Y</sub> B	220, 255, 221
Decimal	16711644
CIE Lab	99.13, -6.06, 16.64
CIE LCh	99, 17.707, 110.027
Yxy	97.7581, 0.3327, 0.3632
Android (android.graphics.Color)	4294901724 (0xFFFEFFDC)
YUV	250.7110, -15.1405, 2.8845
Hunter-Lab	98.8727, -11.3556, 20.1230

# Details

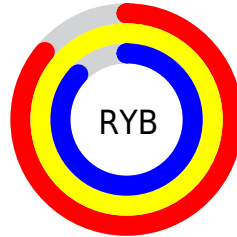
The XYZ color **89.5513, 97.7581, 81.8595** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.4629, 73.7798, 104.9768**, and the grayscale version is **91.5693, 96.3381, 104.9122**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.0116, 54.9751, 43.5727** is the 20% darker color. If you saturate the color by 10%, you get **86.1616, 96.3716, 65.3954**, and if you desaturate by 10%, it is **93.4585, 99.3519, 101.0396**.

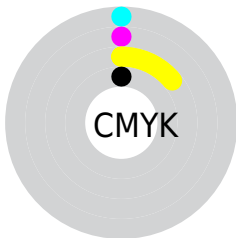
# Distribution



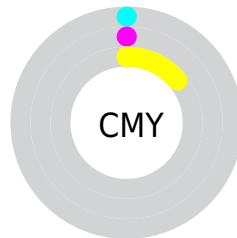
- Red (100%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (87%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.5513, 97.7581, 81.8595 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 89.5513, 97.7581, 81.8595 by changing the saturation by 10% instead.




 89.5513, 97.7581,  
81.8595

 89.5513, 97.7581,  
81.8595

514.8298,  
552.9576, 521.0487

 67.9436, 74.4327,  
60.7146


145.5965,  
158.0696, 137.8119

 50.1254, 55.1482,  
43.5658

180.7647,  
195.8244, 173.4564

 35.7312, 39.5204,  
29.9946


221.1838,  
239.1578, 214.7712

 24.3958, 27.1648,  
19.5825

267.2191,  
288.4542, 262.1749

 15.7538, 17.6970,  
11.9109

319.2360,  
344.0980, 316.0859

 9.4399, 10.7327,  
6.5612

377.5999,

 5.0886, 5.8874,

406.4736, 376.9229

3.1150

442.6760,  
475.9653, 445.1043

■ 2.3346, 2.7767,  
1.1536

■ 0.8123, 1.0163,  
0.0000

■ 89.5513, 97.7581,  
81.8595

■ 89.5513, 97.7581,  
81.8595

■ 86.1616, 96.3716,  
65.3954

■ 93.4585, 99.3519,  
101.0396

■ 83.2642, 95.1820,  
51.5206

95.0500, 100.0000,  
108.9000

■ 80.8347, 94.1797,  
40.1045

■ 78.8460, 93.3539,  
31.0036

■ 77.2677, 92.6923,  
24.0596

■ 76.0663, 92.1816,  
19.0942

■ 75.2023, 91.8060,  
15.9008

■ 74.6279, 91.5463,  
14.2272

■ 74.3724, 91.4254,  
13.7270

# Harmonies

## Analogous

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



94.6493, 97.7581, 80.7796



89.5513, 97.7581, 81.8595



85.5003, 97.7581, 89.1710

# Triad

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



89.5513, 97.7581, 81.8595



86.6718, 97.7581, 129.7981



103.0604, 97.7581, 111.4515

# Complementary

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



89.5513, 97.7581, 81.8595



73.4629, 73.7798, 104.9768

# 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.



100.7488, 97.7581, 125.8102



89.5513, 97.7581, 81.8595



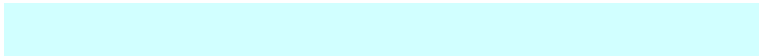
91.2043, 97.7581, 137.0339

# Square

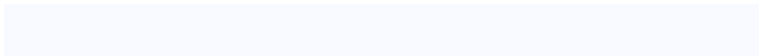
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



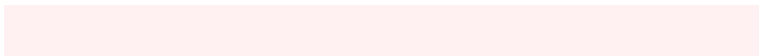
89.5513, 97.7581, 81.8595



83.8811, 97.7581, 116.4984



96.3642, 97.7581, 135.5104



102.5777, 97.7581, 96.9816

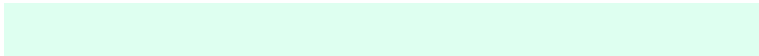


# Rectangle

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



89.5513, 97.7581, 81.8595



83.8781, 97.7581, 97.0057



96.3642, 97.7581, 135.5104



102.5812, 97.7581, 116.4712

# Sweetspot

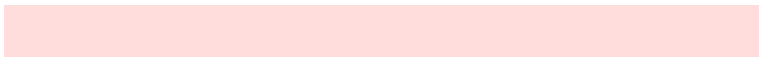
The Sweet Spot groups the original color and five complimentary colors.



89.5519, 97.7584, 81.8609



93.3439, 99.3052, 100.4743



79.9056, 77.9216, 78.5405



19.9128, 21.2283, 21.1773



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.



89.5519, 97.7584, 81.8609



88.7360, 97.4250, 77.8804



83.5761, 94.6778, 81.5813



19.5069, 21.0628, 19.1817



38.8842, 47.7836, 7.1737



3.8016, 4.6605, 0.6992



# Inverse Universe

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



73.4629, 73.7798, 104.9768



70.2788, 69.9168, 104.3989



78.9319, 76.5992, 105.2327



17.0509, 17.4025, 22.7103



9.4999, 3.8078, 49.6689

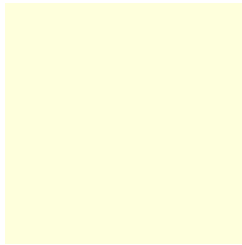


0.9411, 0.3791, 4.8368



# Previews

## White Background



This preview shows how the XYZ color 89.5513, 97.7581, 81.8595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

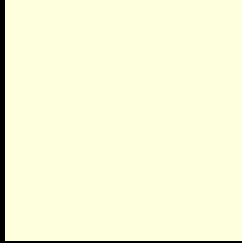
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.5513, 97.7581, 81.8595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

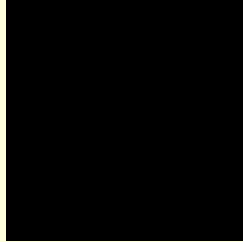
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.5513, 97.7581, 81.8595

## Background



This preview shows how black text looks on a background with the XYZ color 89.5513, 97.7581, 81.8595.



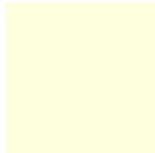
This preview shows how white text looks on a background with the XYZ color 89.5513, 97.7581,



# 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

89.5513, 97.7581, 81.8595

### Protanopia

92.6850, 97.5346, 101.1298

### Deuteranopia

93.4630, 97.8458, 105.2269

## **Tritanopia**

93.7335, 97.9116, 108.5663

# Trichromacy



## Original Color

89.5513, 97.7581, 81.8595



## Protanomaly

91.6513, 97.6250, 94.1337

## Deuteranomaly

92.0935, 97.8018, 96.4619

## Tritanomaly

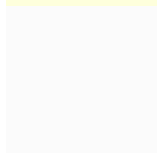
92.0253, 97.7322, 98.0183

# Monochromacy



## Original Color

89.5513, 97.7581, 81.8595



## Achromatopsia

91.6934, 96.4686, 105.0543



## Achromatomaly

90.6835, 96.6075, 96.3057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.5513, 97.7581, 81.8595 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(254, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 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(254, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 89.5513, 97.7581, 81.8595 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(254, 255, 220) }
```



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

```
.border{ border-color:rgb(254, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.5513, 97.7581, 81.8595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 220) }
```

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

```
.background{ background-color: rgb(254,  
255, 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](#).

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