

Converting Colors

XYZ(83.8070, 89.3582, 68.6382)

Have a look what the booklet for
XYZ(83.8070, 89.3582, 68.6382)
contains.

XYZ(83.9513, 89.6255, 68.7519)	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(83.9513, 89.6255,
68.7519)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3CA
RGB	255, 243, 202
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0470, 0.2078
CMYK	0.00, 0.05, 0.21, 0.00
HSL	46°, 100%, 90%
HSV	46°, 21%, 100%
XYZ	83.9513, 89.6255, 68.7519
YIQ	241.9140, 20.3130, -10.2070

Conversions

Conversions Part 2

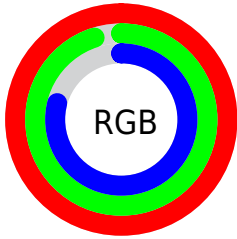
Format	Color
RYB	218, 255, 202
Decimal	16774090
CIELab	95.84, -2.34, 21.25
CIELCh	96, 21.376, 96.288
Yxy	89.6255, 0.3464, 0.3699
Android (android.graphics.Color)	4294964170 (0xFFFFF3CA)
YUV	241.9140, -19.6776, 11.4764
Hunter-Lab	94.6707, -7.3851, 23.2119

Details

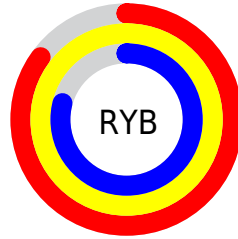
The XYZ color **83.9513, 89.6255, 68.7519** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.4532, 67.8678, 104.2051**, and the grayscale version is **84.4715, 88.8706, 96.7801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4043, 49.6845, 35.1613** is the 20% darker color. If you saturate the color by 10%, you get **79.4787, 85.1194, 53.5760**, and if you desaturate by 10%, it is **88.9814, 94.4475, 86.5773**.

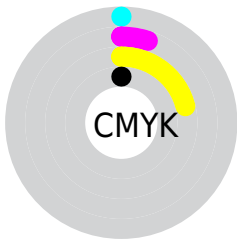
Distribution



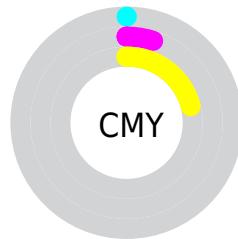
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9513, 89.6255, 68.7519 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 83.9513, 89.6255, 68.7519 by changing the saturation by 10% instead.


 83.9513, 89.6255,
68.7519

 83.9513, 89.6255,
68.7519


496.6876,
526.8119, 474.8257

 63.2948, 67.6701,
50.0392


137.8287,
146.8181, 119.0915

 46.3393, 49.6294,
35.0731


171.7802,
182.8240, 151.5555

 32.7194, 35.1190,
23.4352

210.8942,
224.2823, 189.4403

 22.0698, 23.7546,
14.7069

255.5360,
271.5772, 233.1645

 14.0251, 15.1517,
8.4696

306.0708,
325.0933, 283.1465

 8.2199, 8.9259,
4.3048

362.8641,

 4.2890, 4.6929,

385.2148, 339.8051

1.7940

426.2813,
452.3262, 403.5586

■ 1.8669, 2.0682,
0.4240

■ 0.5575, 0.6467,
0.0000

■ 83.9513, 89.6255,
68.7519

■ 83.9513, 89.6255,
68.7519

■ 79.4787, 85.1194,
53.5760

■ 88.9814, 94.4475,
86.5773

■ 75.5323, 80.9069,
40.9147

94.5859, 99.5838,
107.1666

■ 72.0871, 76.9801,
30.6299

95.0500, 100.0000,
108.9000

■ 69.1135, 73.3264,
22.5679

■ 66.5783, 69.9317,
16.5567

■ 64.4436, 66.7801,
12.3993

■ 62.6640, 63.8524,
9.8592

■ 61.2728, 61.3256,
8.6076

Harmonies

Analogous

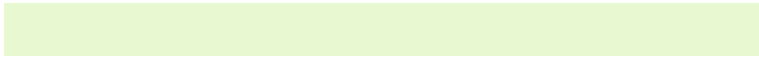
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8253, 89.6255, 70.7865



83.9513, 89.6255, 68.7519



78.6541, 89.6255, 73.6949

Triad

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



83.9513, 89.6255, 68.7519



76.3746, 89.6255, 118.0824



95.9887, 89.6255, 111.2288

Complementary

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



83.9513, 89.6255, 68.7519



66.4532, 67.8678, 104.2051

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.



92.0707, 89.6255, 126.1541



83.9513, 89.6255, 68.7519



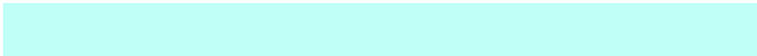
80.7100, 89.6255, 130.4192

Square

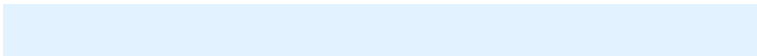
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9513, 89.6255, 68.7519



74.4116, 89.6255, 101.1846



86.4335, 89.6255, 133.5312



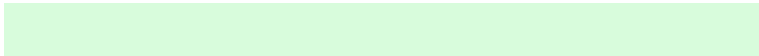
96.9540, 89.6255, 94.0756

Rectangle

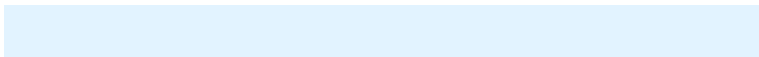
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9513, 89.6255, 68.7519



76.1034, 89.6255, 80.6595



86.4335, 89.6255, 133.5312



94.9647, 89.6255, 116.7309

Sweetspot

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



83.9534, 89.6294, 68.7538



91.5890, 96.8642, 96.0740



74.5457, 68.3759, 73.1341



19.5259, 20.6614, 20.2782



0.0000, 0.0000, 0.0000



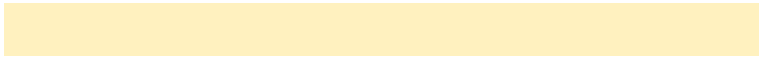
20.3446, 21.4041, 23.3091

Same Dimension

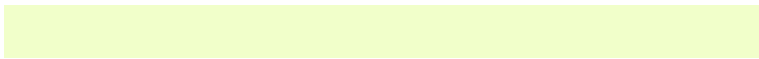
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9534, 89.6294, 68.7538



82.0006, 87.6908, 62.0387



82.6512, 94.4618, 69.7552



19.1921, 20.3524, 19.0612



32.1339, 32.2791, 4.5368



3.2100, 3.3054, 0.4688

Inverse Universe

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



66.4532, 67.8678, 104.2051



61.5924, 62.3160, 103.3897



67.5298, 64.0815, 103.4175



17.3364, 18.0444, 22.8191



10.3056, 5.5208, 49.9570



1.0812, 0.6930, 4.8901

Previews

White Background



This preview shows how the XYZ color 83.9513, 89.6255, 68.7519 looks on a white background.

Color Contrast Check

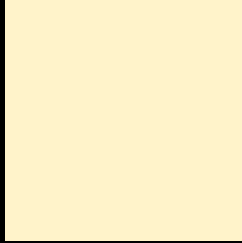
Large Text (above 18pt) WCAG AA × Fail

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 83.9513, 89.6255, 68.7519 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 83.9513, 89.6255, 68.7519

Background



This preview shows how black text looks on a background with the XYZ color 83.9513, 89.6255, 68.7519.



This preview shows how white text looks on a background with the XYZ color 83.9513, 89.6255,

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

83.9513, 89.6255, 68.7519

Protanopia

84.5531, 89.8662, 71.9210

Deuteranopia

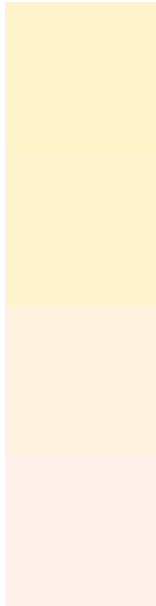
86.9656, 89.4064, 89.0175



Tritanopia

89.0699, 89.3112, 102.9868

Trichromacy



Original Color

83.9513, 89.6255, 68.7519

Protanomaly

84.3100, 89.7690, 70.6411

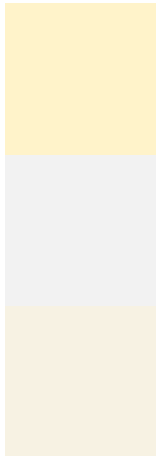
Deuteranomaly

85.7464, 89.3911, 81.1415

Tritanomaly

87.1081, 89.4634, 89.7679

Monochromacy



Original Color

83.9513, 89.6255, 68.7519

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9750, 88.8245, 85.3919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9513, 89.6255, 68.7519 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, 243, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 202)  
}
```

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, 243, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 202) }
```

Border

The CSS property to change the border of an element to XYZ 83.9513, 89.6255, 68.7519 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, 243, 202) }
```


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

```
.border{ border-color:rgb(255, 243, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9513, 89.6255, 68.7519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 202) }
```

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

```
.background{ background-color: rgb(255,  
243, 202) }
```

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