

Converting Colors

XYZ(81.7312, 89.2222, 55.5670)

Have a look what the booklet for
XYZ(81.7312, 89.2222, 55.5670)
contains.

XYZ(81.7274, 89.2160, 55.5607)	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(81.7274, 89.2160,
55.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4B3
RGB	255, 244, 179
RGB Percent	100%, 96%, 70%
CMY	0.0000, 0.0431, 0.2980
CMYK	0.00, 0.04, 0.30, 0.00
HSL	51°, 100%, 85%
HSV	51°, 30%, 100%
XYZ	81.7274, 89.2160, 55.5607
YIQ	239.8790, 27.4210, -17.8830

Conversions

Conversions Part 2

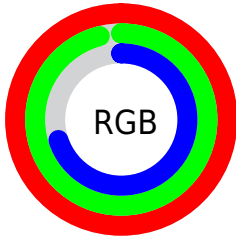
Format	Color
R_{YB}	192, 255, 179
Decimal	16774323
CIE _{Lab}	95.67, -5.88, 32.72
CIE _{LCh}	96, 33.239, 100.189
Yxy	89.2160, 0.3608, 0.3939
Android (android.graphics.Color)	4294964403 (0xFFFFF4B3)
YUV	239.8790, -30.0133, 13.2611
Hunter-Lab	94.4542, -10.8461, 31.2419

Details

The XYZ color **81.7274, 89.2160, 55.5607** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.0535, 53.6291, 102.0576**, and the grayscale version is **82.9440, 87.2635, 95.0300**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **44.7751, 49.3431, 26.9029** is the 20% darker color. If you saturate the color by 10%, you get **78.2850, 86.0839, 42.8447**, and if you desaturate by 10%, it is **85.6732, 92.5913, 70.7995**.

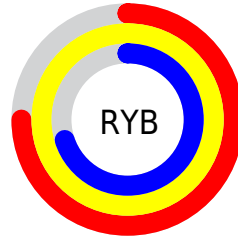
Distribution



Red (100%)

Green (96%)

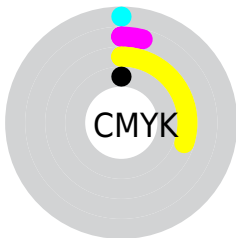
Blue (70%)



Red (75%)

Yellow (100%)

Blue (70%)

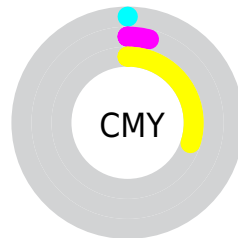


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7274, 89.2160, 55.5607 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 81.7274, 89.2160, 55.5607 by changing the saturation by 10% instead.


 81.7274, 89.2160,
55.5607

 81.7274, 89.2160,
55.5607


489.3837,
525.4772, 425.3756

 61.4542, 67.3306,
39.4492


 134.7295,
146.2489, 99.8414

 44.8458, 49.3533,
26.7988


168.1891,
182.1652, 128.8476

 31.5367, 34.8998,
17.1911


206.7748,
223.5272, 162.9891

 21.1617, 23.5857,
10.2074

250.8521,
270.7193, 202.6845

 13.3554, 15.0266,
5.4293

300.7863,
324.1260, 248.3523

 7.7524, 8.8381,
2.4382

356.9427,

 3.9874, 4.6357,

384.1316, 300.4111

0.8071

419.6868,
451.1206, 359.2793

■ 1.6950, 2.0351,
0.0000

■ 0.4531, 0.6278,
0.0000

■ 81.7274, 89.2160,
55.5607

■ 81.7274, 89.2160,
55.5607

■ 78.2850, 86.0839,
42.8447

■ 85.6732, 92.5913,
70.7995

■ 75.3133, 83.1722,
32.5072

■ 90.1405, 96.2077,
88.6836

■ 72.7852, 80.4732,
24.3980

95.0500, 100.0000,
108.9000

■ 70.6685, 77.9736,
18.3474

■ 68.9262, 75.6586,
14.1611

■ 67.5142, 73.5101,
11.6079

■ 66.3622, 71.4999,
10.3176

■ 66.3406, 71.4611,
10.2969

Harmonies

Analogous

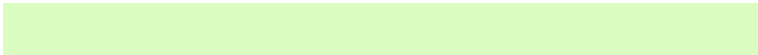
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8914, 89.2160, 57.0794



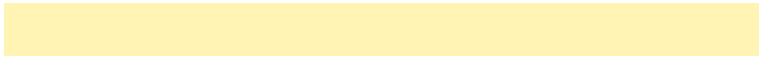
81.7274, 89.2160, 55.5607



73.9585, 89.2160, 63.5533

Triad

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



81.7274, 89.2160, 55.5607



72.0727, 89.2160, 133.3586



102.4216, 89.2160, 115.2096

Complementary

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



81.7274, 89.2160, 55.5607



55.0535, 53.6291, 102.0576

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.



96.6461, 89.2160, 140.8663



81.7274, 89.2160, 55.5607



78.9815, 89.2160, 152.5787

Square

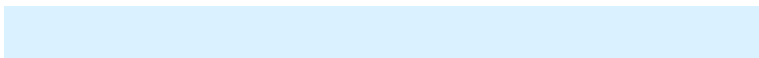
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7274, 89.2160, 55.5607



68.6555, 89.2160, 106.3154



87.9428, 89.2160, 155.5492



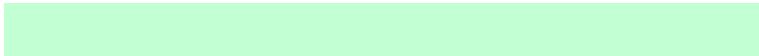
103.2891, 89.2160, 88.5103

Rectangle

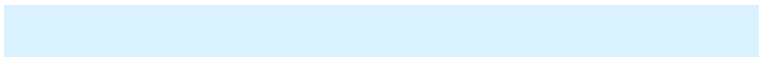
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7274, 89.2160, 55.5607



70.4497, 89.2160, 74.2146



87.9428, 89.2160, 155.5492



100.9712, 89.2160, 124.3609

Sweetspot

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



81.7295, 89.2200, 55.5626



90.5226, 96.5091, 90.2382



66.6988, 57.2364, 56.4781



19.2279, 20.5403, 18.7146



0.0000, 0.0000, 0.0000



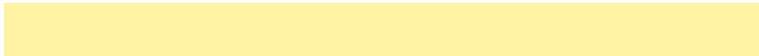
20.3446, 21.4041, 23.3091

Same Dimension

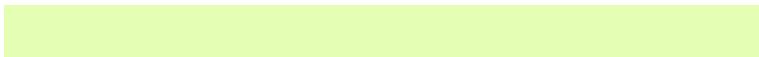
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7295, 89.2200, 55.5626



79.5378, 87.2495, 47.3931



76.0191, 91.3344, 56.2717



19.3241, 20.6164, 19.1052



34.7500, 37.5112, 5.4089



3.4420, 3.7694, 0.5462

Inverse Universe

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



55.0535, 53.6291, 102.0576



48.8148, 46.2667, 100.9653



59.5136, 52.5259, 101.6096



17.2150, 17.8015, 22.7787



9.8389, 4.5873, 49.8015



1.0184, 0.5675, 4.8691

Previews

White Background



This preview shows how the XYZ color 81.7274, 89.2160, 55.5607 looks on a white background.

Color Contrast Check

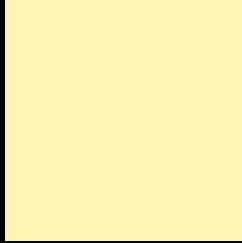
Large Text (above 18pt) WCAG AA × Fail

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 81.7274, 89.2160, 55.5607 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 81.7274, 89.2160, 55.5607

Background



This preview shows how black text looks on a background with the XYZ color 81.7274, 89.2160, 55.5607.

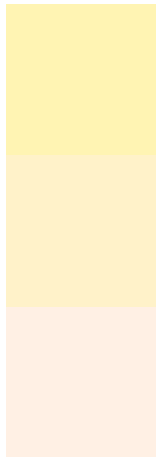


This preview shows how white text looks on a background with the XYZ color 81.7274, 89.2160,

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

81.7274, 89.2160, 55.5607

Protanopia

83.5347, 88.9813, 68.0307

Deuteranopia

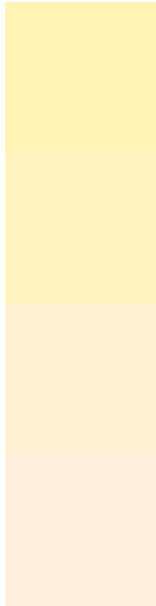
86.4037, 89.1816, 86.0586



Tritanopia

88.7578, 89.1864, 101.3436

Trichromacy



Original Color

81.7274, 89.2160, 55.5607

Protanomaly

82.9162, 89.2114, 63.3015

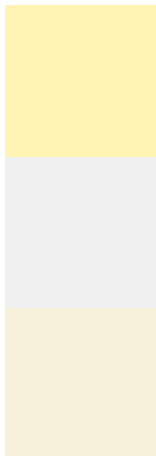
Deuteranomaly

84.3282, 88.8237, 73.6729

Tritanomaly

85.7194, 88.9079, 82.4551

Monochromacy



Original Color

81.7274, 89.2160, 55.5607

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.7664, 87.3850, 78.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7274, 89.2160, 55.5607 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, 244, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 179)  
}
```

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, 244, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 179) }
```

Border

The CSS property to change the border of an element to XYZ 81.7274, 89.2160, 55.5607 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, 244, 179) }
```


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

```
.border{ border-color:rgb(255, 244, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7274, 89.2160, 55.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 179) }
```

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

```
.background{ background-color: rgb(255,  
244, 179) }
```

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