

Converting Colors

XYZ(81.2252, 89.0991, 52.6574)

Have a look what the booklet for
XYZ(81.2252, 89.0991, 52.6574)
contains.

XYZ(81.1335, 88.9785, 52.4335)	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(81.1335, 88.9785,
52.4335)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4AD
RGB	255, 244, 173
RGB Percent	100%, 96%, 68%
CMY	0.0000, 0.0431, 0.3216
CMYK	0.00, 0.04, 0.32, 0.00
HSL	52°, 100%, 84%
HSV	52°, 32%, 100%
XYZ	81.1335, 88.9785, 52.4335
YIQ	239.1950, 29.3470, -19.7490

Conversions

Conversions Part 2

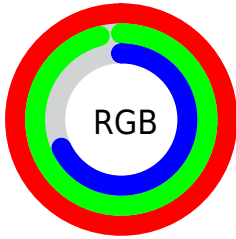
Format	Color
RYB	186, 255, 173
Decimal	16774317
CIELab	95.57, -6.61, 35.60
CIELCh	96, 36.208, 100.513
Yxy	88.9785, 0.3646, 0.3998
Android (android.graphics.Color)	4294964397 (0xFFFFF4AD)
YUV	239.1950, -32.6341, 13.8610
Hunter-Lab	94.3284, -11.5438, 33.0729

Details

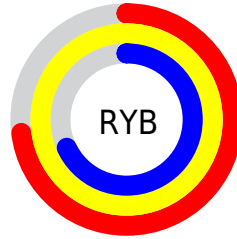
The XYZ color **81.1335, 88.9785, 52.4335** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.4237, 50.3837, 101.5697**, and the grayscale version is **82.4281, 86.7208, 94.4390**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **44.3993, 49.1928, 24.9244** is the 20% darker color. If you saturate the color by 10%, you get **77.8794, 86.0492, 40.3153**, and if you desaturate by 10%, it is **84.8821, 92.1424, 67.0418**.

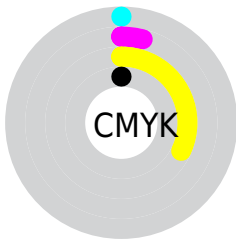
Distribution



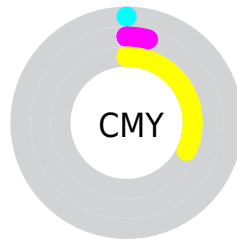
- Red (100%)
- Green (96%)
- Blue (68%)



- Red (73%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (4%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.1335, 88.9785, 52.4335 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 81.1335, 88.9785, 52.4335 by changing the saturation by 10% instead.


 81.1335, 88.9785,
52.4335

 81.1335, 88.9785,
52.4335


487.4232,
524.7023, 413.1124

 60.9632, 67.1337,
36.9661


 133.9004,
145.9187, 95.2033

 44.4479, 49.1933,
24.8857


167.2277,
181.7829, 123.3428

 31.2222, 34.7729,
15.7736


205.6714,
223.0890, 156.5435

 20.9208, 23.4880,
9.2115

249.5968,
270.2214, 195.2238

 13.1782, 14.9542,
4.7807

299.3694,
323.5646, 239.8023

 7.6292, 8.7873,
2.0627

355.3544,

 3.9084, 4.6027,

383.5029, 290.6975

0.5934

417.9172,
450.4206, 348.3280

■ 1.6505, 2.0161,
0.0000

■ 0.4250, 0.6168,
0.0000

■ 81.1335, 88.9785,
52.4335

■ 81.1335, 88.9785,
52.4335

■ 77.8794, 86.0492,
40.3153

■ 84.8821, 92.1424,
67.0418

■ 75.0861, 83.3314,
30.5402

■ 89.1434, 95.5390,
84.2651

■ 72.7263, 80.8173,
22.9542

■ 93.9427, 99.1816,
104.2265

■ 70.7665, 78.4932,
17.3825

95.0500, 100.0000,
108.9000

■ 69.1686, 76.3437,
13.6239

■ 67.8861, 74.3501,
11.4350

■ 67.0469, 72.8737,
10.5323

Harmonies

Analogous

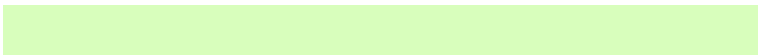
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1051, 88.9785, 53.9185



81.1335, 88.9785, 52.4335



72.7590, 88.9785, 60.9584

Triad

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



81.1335, 88.9785, 52.4335



70.8641, 88.9785, 136.9451



103.8881, 88.9785, 116.3022

Complementary

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



81.1335, 88.9785, 52.4335



52.4237, 50.3837, 101.5697

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.



97.5977, 88.9785, 144.7102



81.1335, 88.9785, 52.4335



78.3578, 88.9785, 158.1498

Square

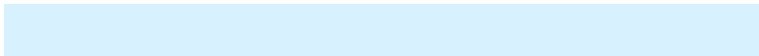
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1335, 88.9785, 52.4335



67.1457, 88.9785, 107.2116



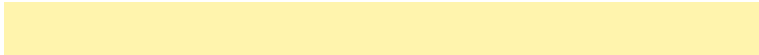
88.1051, 88.9785, 161.2409



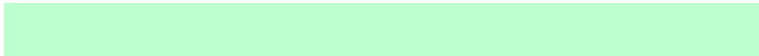
104.7778, 88.9785, 87.2390

Rectangle

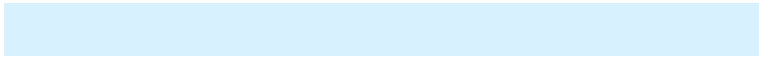
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1335, 88.9785, 52.4335



69.0092, 88.9785, 72.3720



88.1051, 88.9785, 161.2409



102.3131, 88.9785, 126.3828

Sweetspot

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



81.1357, 88.9825, 52.4354



90.1318, 96.3032, 88.3332



64.9729, 54.6636, 53.1929



19.1534, 20.5059, 18.3362



0.0000, 0.0000, 0.0000



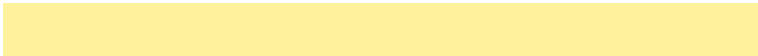
20.3446, 21.4041, 23.3091

Same Dimension

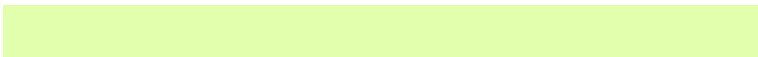
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1357, 88.9825, 52.4354



78.8557, 86.9511, 43.8802



74.7615, 90.7546, 53.1134



19.3413, 20.6508, 19.1109



35.1140, 38.2393, 5.5302



3.4740, 3.8333, 0.5568

Inverse Universe

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



52.4237, 50.3837, 101.5697



45.8396, 42.5756, 100.4097



57.2704, 49.6230, 101.1675



17.1993, 17.7702, 22.7734



9.7930, 4.4956, 49.7862



1.0111, 0.5529, 4.8667

Previews

White Background



This preview shows how the XYZ color 81.1335, 88.9785, 52.4335 looks on a white background.

Color Contrast Check

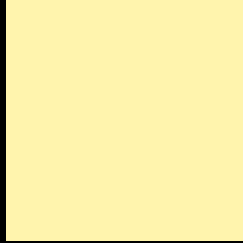
Large Text (above 18pt) WCAG AA × Fail

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 81.1335, 88.9785, 52.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

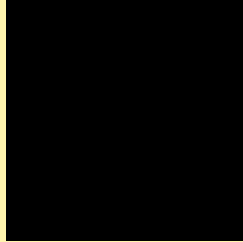
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1335, 88.9785, 52.4335

Background



This preview shows how black text looks on a background with the XYZ color 81.1335, 88.9785, 52.4335.



This preview shows how white text looks on a background with the XYZ color 81.1335, 88.9785,

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

81.1335, 88.9785, 52.4335

Protanopia

83.3009, 88.8878, 66.7995

Deuteranopia

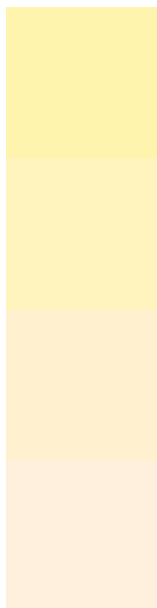
86.2652, 89.1262, 85.3295



Tritanopia

88.7578, 89.1864, 101.3436

Trichromacy



Original Color

81.1335, 88.9785, 52.4335

Protanomaly

82.5849, 89.0789, 61.5565

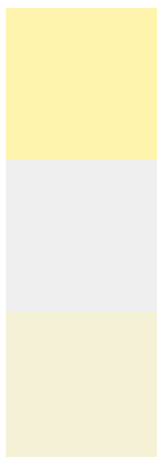
Deuteranomaly

83.9578, 88.6756, 71.7225

Tritanomaly

85.4512, 88.8006, 81.0431

Monochromacy



Original Color

81.1335, 88.9785, 52.4335

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.3772, 87.2294, 76.8379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1335, 88.9785, 52.4335 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 173) }
```

Border

The CSS property to change the border of an element to XYZ 81.1335, 88.9785, 52.4335 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, 173) }
```


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

```
.border{ border-color:rgb(255, 244, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1335, 88.9785, 52.4335 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
244, 173) }
```

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