

Converting Colors

XYZ(101.6608, 100.0000,
54.4242)

Have a look what the booklet for
XYZ(101.6608, 100.0000, 54.4242)
contains.

XYZ(81.6303, 89.6600, 53.5612)	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(81.6303, 89.6600,
53.5612)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5AF
RGB	255, 245, 175
RGB Percent	100%, 96%, 69%
CMY	0.0000, 0.0392, 0.3137
CMYK	0.00, 0.04, 0.31, 0.00
HSL	53°, 100%, 84%
HSV	53°, 31%, 100%
XYZ	81.6303, 89.6600, 53.5612
YIQ	240.0100, 28.4300, -19.6500

Conversions

Conversions Part 2

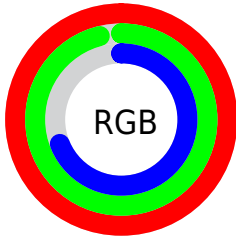
Format	Color
R _Y B	186, 255, 175
Decimal	16774575
CIE Lab	95.86, -6.87, 34.97
CIE LCh	96, 35.642, 101.106
Yxy	89.6600, 0.3630, 0.3988
Android (android.graphics.Color)	4294964655 (0xFFFFF5AF)
YUV	240.0100, -32.0499, 13.1462
Hunter-Lab	94.6890, -11.8228, 32.7446

Details

The XYZ color **81.6303, 89.6600, 53.5612** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.0778, 51.0304, 101.6601**, and the grayscale version is **83.0616, 87.3873, 95.1648**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **44.7364, 49.6706, 25.6419** is the 20% darker color. If you saturate the color by 10%, you get **78.4039, 86.8438, 41.2747**, and if you desaturate by 10%, it is **85.3506, 92.7066, 68.3476**.

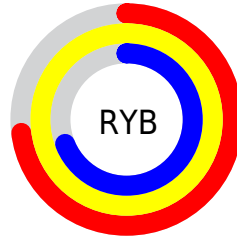
Distribution



Red (100%)

Green (96%)

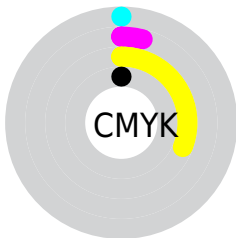
Blue (69%)



Red (73%)

Yellow (100%)

Blue (69%)

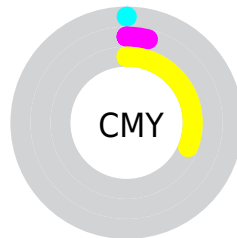


Cyan (0%)

Magenta (4%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6303, 89.6600, 53.5612 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 81.6303, 89.6600, 53.5612 by changing the saturation by 10% instead.


 81.6303, 89.6600,
53.5612

 81.6303, 89.6600,
53.5612


489.0635,
526.9242, 417.5617

 61.3739, 67.6987,
37.8602


 134.5940,
146.8660, 96.8796

 44.7807, 49.6526,
25.5732


168.0320,
182.8795, 125.3340

 31.4853, 35.1375,
16.2817


206.5945,
224.3459, 158.8766

 21.1223, 23.7688,
9.5672

250.6470,
271.6495, 197.9260

 13.3264, 15.1622,
5.0111

300.5548,
325.1747, 242.9006

 7.7322, 8.9333,
2.1949

356.6833,

 3.9744, 4.6977,

385.3060, 294.2191

0.6714

419.3977,
452.4277, 352.3000

■ 1.6877, 2.0710,
0.0000

■ 0.4485, 0.6482,
0.0000

■ 81.6303, 89.6600,
53.5612

■ 81.6303, 89.6600,
53.5612

■ 78.4039, 86.8438,
41.2747

■ 85.3506, 92.7066,
68.3476

■ 75.6382, 84.2351,
31.3420

■ 89.5830, 95.9816,
85.7580

■ 73.3058, 81.8261,
23.6104

■ 94.3527, 99.4983,
105.9147

■ 71.3738, 79.6034,
17.9069

■ 95.0500, 100.0000,
108.9000

■ 69.8045, 77.5517,
14.0327

■ 68.5523, 75.6528,
11.7485

■ 67.6664, 74.1129,
10.7388

Harmonies

Analogous

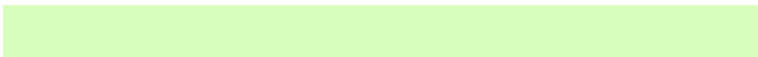
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4869, 89.6600, 54.8466



81.6303, 89.6600, 53.5612



73.3878, 89.6600, 62.2559

Triad

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



81.6303, 89.6600, 53.5612



71.7569, 89.6600, 137.7092



104.3801, 89.6600, 116.2219

Complementary

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



81.6303, 89.6600, 53.5612



53.0778, 51.0304, 101.6601

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.



98.2583, 89.6600, 144.3520



81.6303, 89.6600, 53.5612



79.2444, 89.6600, 158.3111

Square

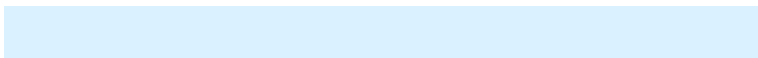
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6303, 89.6600, 53.5612



67.9863, 89.6600, 108.4260



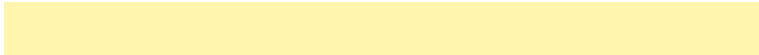
88.9117, 89.6600, 160.9522



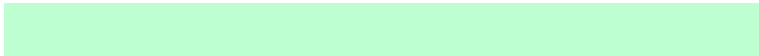
105.1426, 89.6600, 87.5653

Rectangle

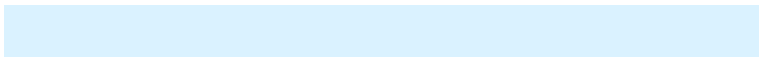
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6303, 89.6600, 53.5612



69.7202, 89.6600, 73.7367



88.9117, 89.6600, 160.9522



102.8600, 89.6600, 126.1834

Sweetspot

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



81.6325, 89.6640, 53.5631



90.6648, 96.7934, 90.2856



65.3982, 55.4520, 53.5264



19.2632, 20.6108, 18.7264



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

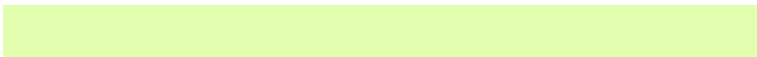
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6325, 89.6640, 53.5631



79.4394, 87.7705, 45.1474



74.7580, 90.7303, 54.1312



19.3562, 20.6806, 19.1159



35.4333, 38.8779, 5.6366



3.5020, 3.8893, 0.5661

Inverse Universe

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



53.0778, 51.0304, 101.6601



46.5834, 43.3256, 100.5152



58.3742, 50.7656, 101.3298



17.1858, 17.7432, 22.7689



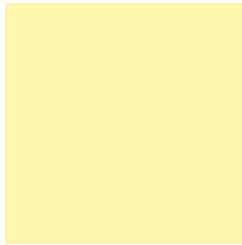
9.7559, 4.4214, 49.7738



1.0048, 0.5402, 4.8646

Previews

White Background



This preview shows how the XYZ color 81.6303, 89.6600, 53.5612 looks on a white background.

Color Contrast Check

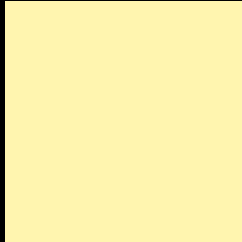
Large Text (above 18pt) WCAG AA × Fail

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 81.6303, 89.6600, 53.5612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

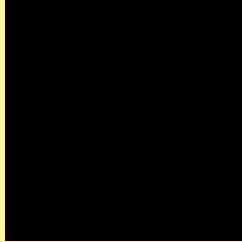
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6303, 89.6600, 53.5612

Background



This preview shows how black text looks on a background with the XYZ color 81.6303, 89.6600, 53.5612.

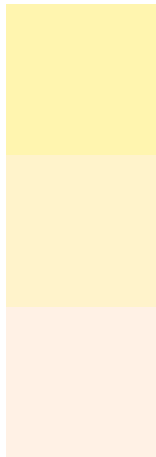


This preview shows how white text looks on a background with the XYZ color 81.6303, 89.6600,

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

81.6303, 89.6600, 53.5612

Protanopia

84.0701, 89.6730, 69.3776

Deuteranopia

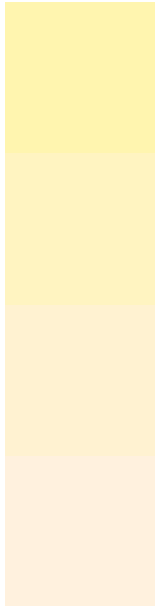
86.8382, 89.8277, 86.8904



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.6303, 89.6600, 53.5612

Protanomaly

83.2163, 89.8116, 63.4015

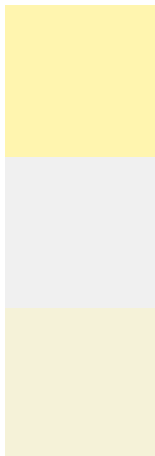
Deuteranomaly

84.5008, 89.3677, 73.1176

Tritanomaly

85.8801, 89.4445, 81.8454

Monochromacy



Original Color

81.6303, 89.6600, 53.5612

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8030, 87.8746, 77.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6303, 89.6600, 53.5612 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, 245, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 175)  
}
```

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, 245, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 175) }
```

Border

The CSS property to change the border of an element to XYZ 81.6303, 89.6600, 53.5612 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, 245, 175) }
```


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

```
.border{ border-color:rgb(255, 245, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6303, 89.6600, 53.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 175) }
```

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

```
.background{ background-color: rgb(255,  
245, 175) }
```

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