

Converting Colors

XYZ(81.7872, 90.0263, 53.4566)

Have a look what the booklet for
XYZ(81.7872, 90.0263, 53.4566)
contains.

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Color

**XYZ(81.9336, 90.2667,
53.6623)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AF
RGB	255, 246, 175
RGB Percent	100%, 96%, 69%
CMY	0.0000, 0.0353, 0.3137
CMYK	0.00, 0.04, 0.31, 0.00
HSL	53°, 100%, 84%
HSV	53°, 31%, 100%
XYZ	81.9336, 90.2667, 53.6623
YIQ	240.5970, 28.1550, -20.1730

Conversions

Conversions Part 2

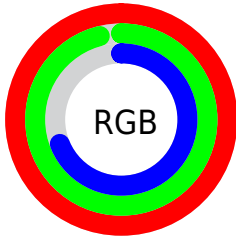
Format	Color
R _Y B	185, 255, 175
Decimal	16774831
CIE Lab	96.11, -7.36, 35.31
CIE LCh	96, 36.069, 101.778
Yxy	90.2667, 0.3628, 0.3997
Android (android.graphics.Color)	4294964911 (0xFFFFF6AF)
YUV	240.5970, -32.3393, 12.6314
Hunter-Lab	95.0088, -12.3307, 33.0183

Details

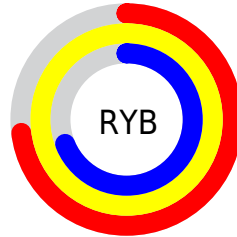
The XYZ color **81.9336, 90.2667, 53.6623** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.8693, 50.6135, 101.5906**, and the grayscale version is **83.5249, 87.8746, 95.6955**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **44.9523, 50.1024, 25.7138** is the 20% darker color. If you saturate the color by 10%, you get **78.7975, 87.6309, 41.4059**, and if you desaturate by 10%, it is **85.5607, 93.1267, 68.4177**.

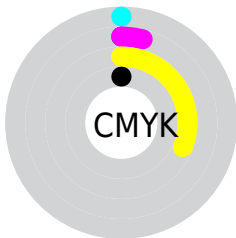
Distribution



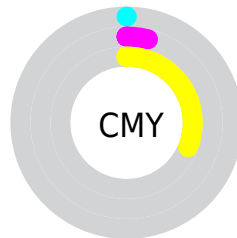
- Red (100%)
- Green (96%)
- Blue (69%)



- 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 81.9336, 90.2667, 53.6623 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 81.9336, 90.2667, 53.6623 by changing the saturation by 10% instead.


 81.9336, 90.2667,
53.6623

 81.9336, 90.2667,
53.6623


490.0634,
528.8980, 417.9591

 61.6247, 68.2019,
37.9404


 135.0172,
147.7088, 97.0296

 44.9840, 50.0620,
25.6350


168.5226,
183.8548, 125.5121

 31.6460, 35.4626,
16.3274


207.1576,
225.4634, 159.0853

 21.2455, 24.0195,
9.5993

251.2875,
272.9189, 198.1675

 13.4171, 15.3481,
5.0320

301.2777,
326.6057, 243.1775

 7.7953, 9.0640,
2.2070

357.4935,

 4.0150, 4.7830,

386.9083, 294.5338

0.6784

420.3003,
454.2109, 352.6548

■ 1.7106, 2.1205,
0.0000

■ 0.4629, 0.6761,
0.0000

■ 81.9336, 90.2667,
53.6623

■ 81.9336, 90.2667,
53.6623

■ 78.7975, 87.6309,
41.4059

■ 85.5607, 93.1267,
68.4177

■ 76.1188, 85.1964,
31.5022

■ 89.6966, 96.2088,
85.7959

■ 73.8704, 82.9553,
23.7986

■ 94.3666, 99.5261,
105.9194

■ 72.0194, 80.8945,
18.1221

■ 95.0500, 100.0000,
108.9000

■ 70.5279, 78.9986,
14.2738

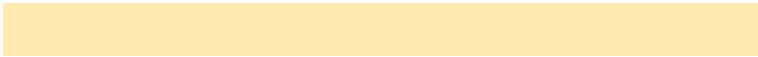
■ 69.3506, 77.2494,
12.0146

■ 68.5269, 75.8338,
11.0256

Harmonies

Analogous

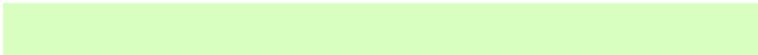
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9446, 90.2667, 54.7387



81.9336, 90.2667, 53.6623



73.6218, 90.2667, 62.6988

Triad

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



81.9336, 90.2667, 53.6623



72.2515, 90.2667, 139.6897



105.3687, 90.2667, 116.5136

Complementary

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



81.9336, 90.2667, 53.6623



52.8693, 50.6135, 101.5906

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.



99.2429, 90.2667, 145.2910



81.9336, 90.2667, 53.6623



79.9274, 90.2667, 160.3584

Square

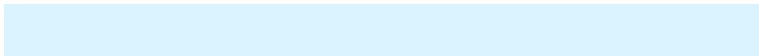
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9336, 90.2667, 53.6623



68.3291, 90.2667, 109.9496



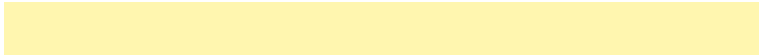
89.7775, 90.2667, 162.5870



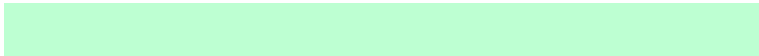
106.0110, 90.2667, 87.4762

Rectangle

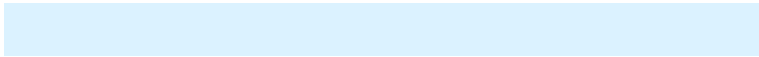
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9336, 90.2667, 53.6623



69.9566, 90.2667, 74.4946



89.7775, 90.2667, 162.5870



103.8617, 90.2667, 126.6675

Sweetspot

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



81.9359, 90.2708, 53.6642



90.7550, 96.9739, 90.3157



65.2574, 55.3956, 52.7850



19.2856, 20.6556, 18.7338



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

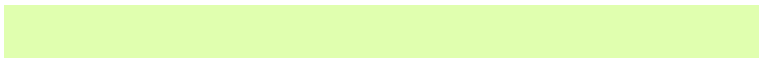
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9359, 90.2708, 53.6642



79.8029, 88.4975, 45.2686



74.3423, 90.5160, 54.1117



19.3766, 20.7213, 19.1227



35.8766, 39.7644, 5.7844



3.5407, 3.9668, 0.5791

Inverse Universe

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



52.8693, 50.6135, 101.5906



46.3570, 42.8728, 100.4397



58.7420, 50.9552, 101.3470



17.1674, 17.7064, 22.7628



9.7090, 4.3275, 49.7582



0.9961, 0.5229, 4.8617

Previews

White Background



This preview shows how the XYZ color 81.9336, 90.2667, 53.6623 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 81.9336, 90.2667, 53.6623 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 81.9336, 90.2667, 53.6623

Background



This preview shows how black text looks on a background with the XYZ color 81.9336, 90.2667, 53.6623.



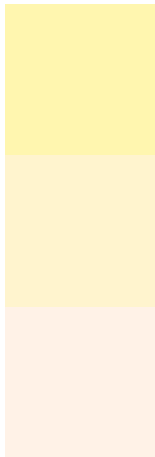
This preview shows how white text looks on a background with the XYZ color 81.9336, 90.2667,

53.6623.

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

81.9336, 90.2667, 53.6623

Protanopia

84.7313, 90.4176, 71.3790

Deuteranopia

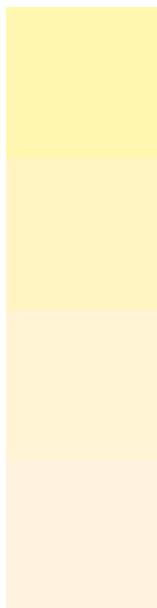
87.4159, 90.5338, 88.4688



Tritanopia

89.4990, 90.4197, 102.3582

Trichromacy



Original Color

81.9336, 90.2667, 53.6623

Protanomaly

83.7427, 90.5049, 64.6852

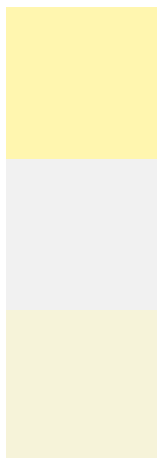
Deuteranomaly

85.0485, 90.0643, 74.5296

Tritanomaly

86.1769, 90.0382, 81.9443

Monochromacy



Original Color

81.9336, 90.2667, 53.6623

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.5810, 88.7038, 78.4147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9336, 90.2667, 53.6623 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, 246, 175)` looks like.

```
.text, #text, p{  
  color:rgb(255, 246, 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, 246, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 175) }
```

Border

The CSS property to change the border of an element to XYZ 81.9336, 90.2667, 53.6623 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, 246, 175) }
```


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

```
.border{ border-color:rgb(255, 246, 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, 246, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9336, 90.2667, 53.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 175) }
```

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

```
.background{ background-color: rgb(255,  
246, 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](#).

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