

Converting Colors

XYZ(81.5744, 83.0118, 73.6936)

Have a look what the booklet for
XYZ(81.5744, 83.0118, 73.6936)
contains.

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Color

**XYZ(81.6996, 83.1653,
74.0338)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7D4
RGB	255, 231, 212
RGB Percent	100%, 91%, 83%
CMY	0.0000, 0.0941, 0.1686
CMYK	0.00, 0.09, 0.17, 0.00
HSL	27°, 100%, 92%
HSV	27°, 17%, 100%
XYZ	81.6996, 83.1653, 74.0338
YIQ	236.0100, 20.4030, -0.8210

Conversions

Conversions Part 2

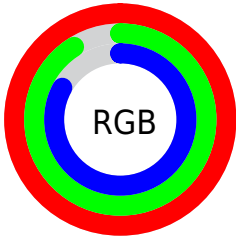
Format	Color
R _Y B	255, 246, 212
Decimal	16771028
CIE Lab	93.09, 5.20, 12.21
CIE LCh	93, 13.275, 66.922
Yxy	83.1653, 0.3420, 0.3481
Android (android.graphics.Color)	4294961108 (0xFFFFE7D4)
YUV	236.0100, -11.8369, 16.6542
Hunter-Lab	91.1950, 0.3229, 15.7038

Details

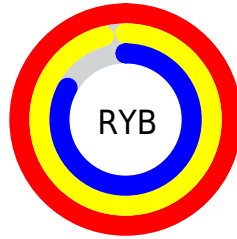
The XYZ color **81.6996, 83.1653, 74.0338** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.1960, 81.2056, 106.3187**, and the grayscale version is **79.8150, 83.9716, 91.4451**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7045, 45.1000, 38.2473** is the 20% darker color. If you saturate the color by 10%, you get **74.9117, 74.3372, 57.1348**, and if you desaturate by 10%, it is **89.3232, 92.8513, 93.7199**.

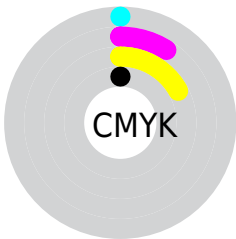
Distribution



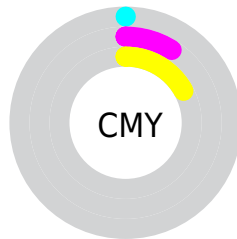
- Red (100%)
- Green (91%)
- Blue (83%)



- Red (100%)
- Yellow (96%)
- Blue (83%)



- Cyan (0%)
- Magenta (9%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6996, 83.1653, 74.0338 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 81.6996, 83.1653, 74.0338 by changing the saturation by 10% instead.


 81.6996, 83.1653,
74.0338

 81.6996, 83.1653,
74.0338


489.2921,
505.5373, 493.7565

 61.4312, 62.3265,
54.3247


134.6907,
137.8070, 126.6782

 44.8271, 45.2966,
38.4664


168.1441,
172.3786, 160.4506

 31.5220, 31.6911,
26.0402


206.7232,
212.2967, 199.7479

 21.1504, 21.1257,
16.6277

250.7934,
257.9456, 244.9887

 13.3471, 13.2159,
9.8103

300.7200,
309.7097, 296.5914

 7.7466, 7.5774,
5.1694

356.8685,

 3.9837, 3.8257,

367.9734, 354.9745

2.2865

419.6040,
433.1212, 420.5567

■ 1.6929, 1.5766,
0.7237

■ 0.4518, 0.3417,
0.0000

■ 81.6996, 83.1653,
74.0338

■ 81.6996, 83.1653,
74.0338

■ 74.9117, 74.3372,
57.1348

■ 89.3232, 92.8513,
93.7199

■ 68.9224, 66.3316,
42.8897

95.0500, 100.0000,
108.9000

■ 63.6998, 59.1258,
31.1624

■ 59.2077, 52.6921,
21.8023

■ 55.4063, 47.0007,
14.6427

■ 52.2513, 42.0195,
9.4945

■ 49.6917, 37.7129,
6.1362

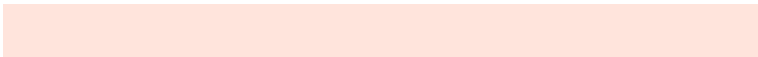
■ 47.6650, 34.0399,
4.2879

■ 47.1123, 33.0047,
3.8874

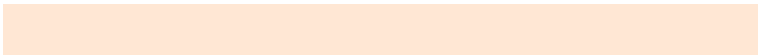
Harmonies

Analogous

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



84.5202, 83.1653, 79.5159



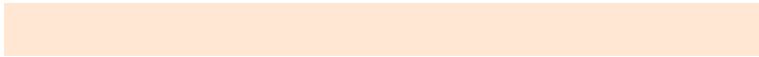
81.6996, 83.1653, 74.0338



78.2420, 83.1653, 72.8211

Triad

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



81.6996, 83.1653, 74.0338



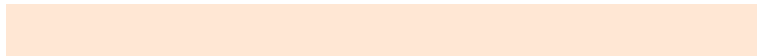
72.5844, 83.1653, 92.8835



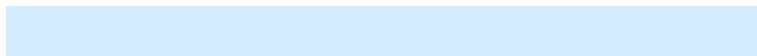
83.1366, 83.1653, 106.7629

Complementary

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



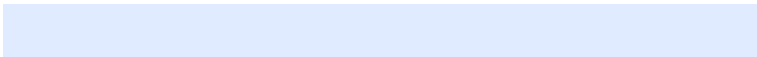
81.6996, 83.1653, 74.0338



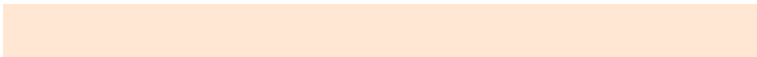
75.1960, 81.2056, 106.3187

Split Complementary

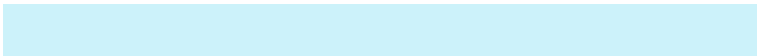
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8558, 83.1653, 110.9521



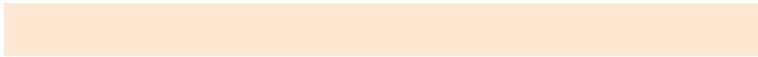
81.6996, 83.1653, 74.0338



73.8137, 83.1653, 102.5666

Square

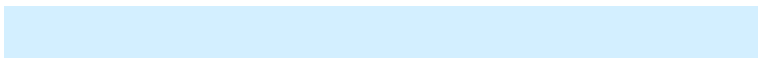
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6996, 83.1653, 74.0338



73.0454, 83.1653, 83.2430



76.4507, 83.1653, 109.3628



85.3668, 83.1653, 98.2786

Rectangle

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



81.6996, 83.1653, 74.0338



76.0533, 83.1653, 74.5101



76.4507, 83.1653, 109.3628



82.1164, 83.1653, 108.7474

Sweetspot

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



81.7015, 83.1689, 74.0355



90.8367, 94.7501, 97.7024



79.9777, 74.4253, 89.7873



19.3198, 20.1263, 20.5881



0.0000, 0.0000, 0.0000



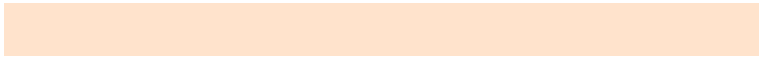
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7015, 83.1689, 74.0355



79.4828, 80.3071, 68.4384



87.9762, 95.7182, 76.1271



18.6701, 19.3084, 18.8872



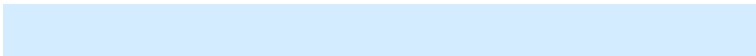
24.7603, 17.5319, 2.0790



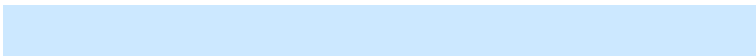
2.5176, 1.9205, 0.2380

Inverse Universe

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



75.1960, 81.2056, 106.3187



71.9378, 78.0293, 105.8774



69.4688, 69.7511, 104.4097



17.8438, 19.0592, 22.9883



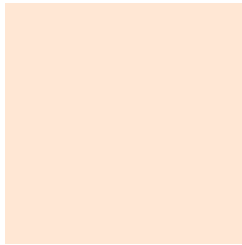
14.6601, 14.2299, 51.4086



1.5364, 1.6034, 5.0418

Previews

White Background



This preview shows how the XYZ color 81.6996, 83.1653, 74.0338 looks on a white background.

Color Contrast Check

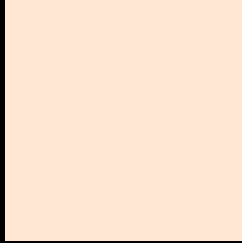
Large Text (above 18pt) WCAG AA × Fail

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 81.6996, 83.1653, 74.0338 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 81.6996, 83.1653, 74.0338

Background



This preview shows how black text looks on a background with the XYZ color 81.6996, 83.1653, 74.0338.



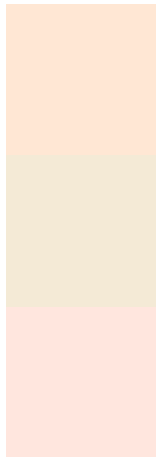
This preview shows how white text looks on a background with the XYZ color 81.6996, 83.1653,

74.0338.

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

81.6996, 83.1653, 74.0338

Protanopia

78.8686, 82.9338, 75.4693

Deuteranopia

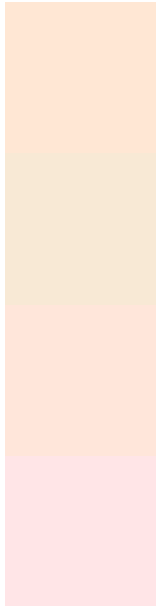
82.7216, 83.1276, 80.7926



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

81.6996, 83.1653, 74.0338

Protanomaly

79.8606, 83.0384, 74.7697

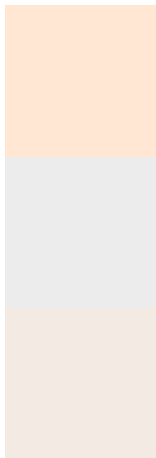
Deuteranomaly

82.1917, 82.9156, 78.0020

Tritanomaly

83.6831, 83.0681, 87.2245

Monochromacy



Original Color

81.6996, 83.1653, 74.0338

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.2501, 83.4464, 84.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6996, 83.1653, 74.0338 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, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 212)  
}
```

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, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 212) }
```

Border

The CSS property to change the border of an element to XYZ 81.6996, 83.1653, 74.0338 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, 231, 212) }
```


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

```
.border{ border-color:rgb(255, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6996, 83.1653, 74.0338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 212) }
```

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

```
.background{ background-color: rgb(255,  
231, 212) }
```

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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