

Converting Colors

XYZ(80.6690, 83.5273, 71.5452)

Have a look what the booklet for
XYZ(80.6690, 83.5273, 71.5452)
contains.

XYZ(80.6690, 83.5273, 71.5452)	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(80.6690, 83.5273,
71.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	FCE9D0
RGB	252, 233, 208
RGB Percent	99%, 91%, 82%
CMY	0.0118, 0.0863, 0.1843
CMYK	0.00, 0.08, 0.17, 0.01
HSL	34°, 88%, 90%
HSV	34°, 17%, 99%
XYZ	80.6690, 83.5273, 71.5452
YIQ	235.8310, 19.3490, -3.7470

Conversions

Conversions Part 2

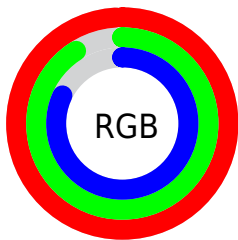
Format	Color
RYB	241, 252, 208
Decimal	16574928
CIELab	93.24, 2.51, 14.48
CIELCh	93, 14.695, 80.146
Yxy	83.5273, 0.3422, 0.3543
Android (android.graphics.Color)	4294765008 (0xFFFC9D0)
YUV	235.8310, -13.7207, 14.1802
Hunter-Lab	91.3933, -2.3838, 17.5614

Details

The XYZ color **80.6690, 83.5273, 71.5452** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.0520, 75.3749, 102.9002**, and the grayscale version is **79.6927, 83.8429, 91.3049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0606, 45.3795, 37.0087** is the 20% darker color. If you saturate the color by 10%, you get **74.8268, 76.4162, 55.4976**, and if you desaturate by 10%, it is **87.1982, 91.2227, 90.2540**.

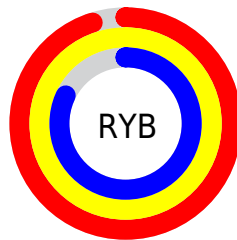
Distribution



Red (99%)

Green (91%)

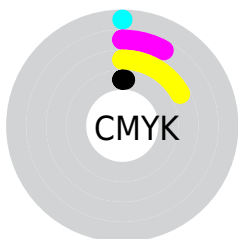
Blue (82%)



Red (95%)

Yellow (99%)

Blue (82%)

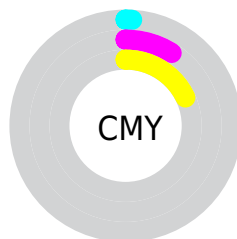


Cyan (0%)

Magenta (8%)

Yellow (17%)

Black (1%)



Cyan (1%)


Magenta (9%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6690, 83.5273, 71.5452 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 80.6690, 83.5273, 71.5452 by changing the saturation by 10% instead.


 80.6690, 83.5273,
71.5452

 80.6690, 83.5273,
71.5452


485.8868,
506.7422, 484.8920

 60.5794, 62.6252,
52.3027


133.2515,
138.3137, 123.1114

 44.1371, 45.5381,
36.8625


166.4751,
172.9669, 156.2722

 30.9766, 31.8815,
24.8061


204.8074,
212.9726, 194.9094

 20.7328, 21.2710,
15.7149

248.6137,
258.7152, 239.4417

 13.0402, 13.3222,
9.1705

298.2595,
310.5790, 290.2876

 7.5334, 7.6508,
4.7542

354.1100,

 3.8471, 3.8723,

368.9485, 347.8655

2.0476

416.5307,
434.2081, 412.5942

■ 1.6160, 1.6024,
0.5843

■ 0.4028, 0.3592,
0.0000

■ 80.6690, 83.5273,
71.5452

■ 80.6690, 83.5273,
71.5452

■ 74.8268, 76.4162,
55.4976

■ 87.1982, 91.2227,
90.2540

■ 69.6384, 69.8623,
41.9827

■ 93.8801, 99.2854,
108.8237

■ 65.0774, 63.8521,
30.8689

■ 93.9552, 99.4356,
108.8488

■ 61.1127, 58.3675,
22.0106

■ 57.7104, 53.3890,
15.2464

■ 54.8318, 48.8951,
10.3927

■ 52.4325, 44.8616,
7.2339

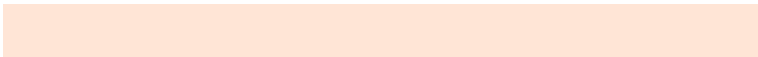
■ 50.4550, 41.2590,
5.4883

■ 49.9991, 40.4035,
5.1634

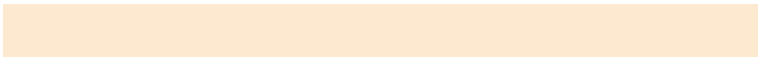
Harmonies

Analogous

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



84.2492, 83.5273, 75.5649



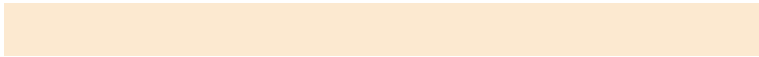
80.6690, 83.5273, 71.5452



76.8577, 83.5273, 72.3907

Triad

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



80.6690, 83.5273, 71.5452



72.6147, 83.5273, 98.4773



85.2339, 83.5273, 105.2816

Complementary

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



80.6690, 83.5273, 71.5452



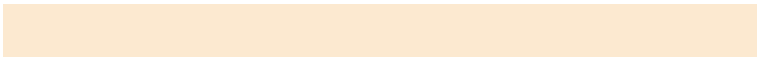
71.0520, 75.3749, 102.9002

Split Complementary

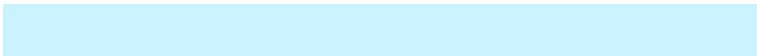
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9777, 83.5273, 112.4308



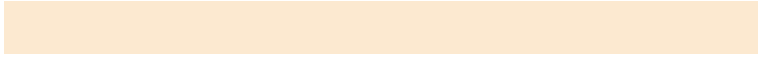
80.6690, 83.5273, 71.5452



74.7217, 83.5273, 108.2867

Square

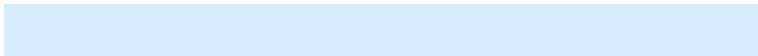
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6690, 83.5273, 71.5452



72.2900, 83.5273, 87.3525



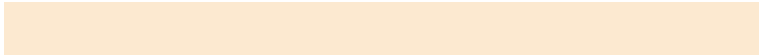
78.1250, 83.5273, 113.5731



86.9407, 83.5273, 94.6388

Rectangle

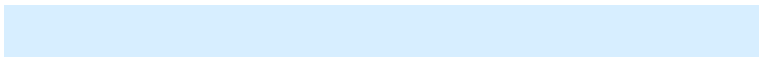
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6690, 83.5273, 71.5452



74.6938, 83.5273, 75.6265



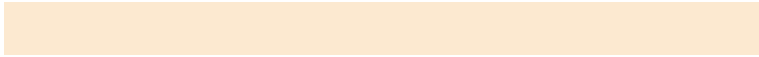
78.1250, 83.5273, 113.5731



84.2794, 83.5273, 108.2083

Sweetspot

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



80.6712, 83.5310, 71.5470



91.3337, 95.7440, 97.8680



76.5761, 71.3581, 82.4598



19.4405, 20.3678, 20.6284



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.



80.6712, 83.5310, 71.5470



80.6590, 83.1450, 67.3337



85.2871, 94.3277, 73.3877



18.0634, 18.8626, 18.1512



26.1943, 21.3452, 2.7394



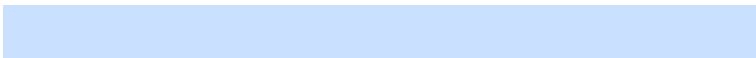
2.5314, 2.1876, 0.2888

Inverse Universe

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



71.0520, 75.3749, 102.9002



69.0672, 73.3172, 105.1191



66.9725, 65.9803, 101.3019



16.8993, 17.8754, 21.9449



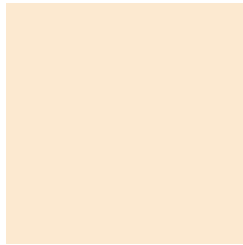
12.1298, 9.6152, 49.1902



1.2265, 1.0966, 4.5902

Previews

White Background



This preview shows how the XYZ color 80.6690, 83.5273, 71.5452 looks on a white background.

Color Contrast Check

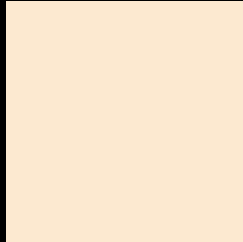
Large Text (above 18pt) WCAG AA × Fail

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 80.6690, 83.5273, 71.5452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

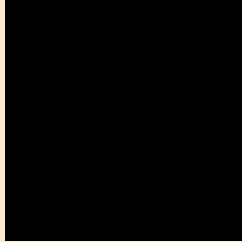
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6690, 83.5273, 71.5452

Background



This preview shows how black text looks on a background with the XYZ color 80.6690, 83.5273, 71.5452.



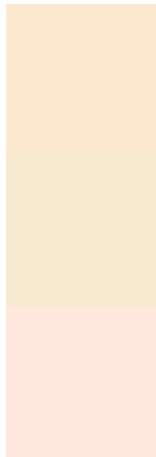
This preview shows how white text looks on a background with the XYZ color 80.6690, 83.5273,

71.5452.

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

80.6690, 83.5273, 71.5452

Protanopia

79.2230, 83.6129, 72.2850

Deuteranopia

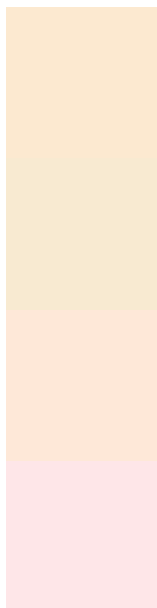
82.8671, 83.6323, 80.1817



Tritanopia

85.4648, 83.3394, 97.9678

Trichromacy



Original Color

80.6690, 83.5273, 71.5452

Protanomaly

79.6428, 83.4055, 72.2229

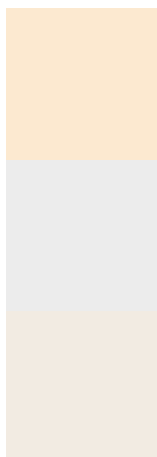
Deuteranomaly

82.1243, 83.7419, 76.8011

Tritanomaly

83.7354, 83.4907, 88.0459

Monochromacy



Original Color

80.6690, 83.5273, 71.5452

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.0537, 83.7849, 83.9043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6690, 83.5273, 71.5452 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(252, 233, 208)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 208)  
}
```

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(252, 233, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 208) }
```

Border

The CSS property to change the border of an element to XYZ 80.6690, 83.5273, 71.5452 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(252, 233, 208) }
```


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

```
.border{ border-color:rgb(252, 233, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 233, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 208);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6690, 83.5273, 71.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 208) }
```

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

```
.background{ background-color: rgb(252,  
233, 208) }
```

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