

Converting Colors

XYZ(116.9795, 100.0000,
74.0077)

Have a look what the booklet for
XYZ(116.9795, 100.0000, 74.0077)
contains.

XYZ(80.6163, 81.3999, 72.4356)	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(80.6163, 81.3999,
72.4356)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4D2
RGB	255, 228, 210
RGB Percent	100%, 89%, 82%
CMY	0.0000, 0.1059, 0.1765
CMYK	0.00, 0.11, 0.18, 0.00
HSL	24°, 100%, 91%
HSV	24°, 18%, 100%
XYZ	80.6163, 81.3999, 72.4356
YIQ	234.0210, 21.8700, 0.1260

Conversions

Conversions Part 2

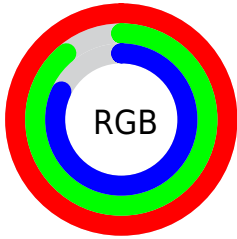
Format	Color
R _Y B	255, 240, 210
Decimal	16770258
CIE Lab	92.31, 6.44, 12.15
CIE LCh	92, 13.750, 62.055
Yxy	81.3999, 0.3439, 0.3472
Android (android.graphics.Color)	4294960338 (0xFFFFE4D2)
YUV	234.0210, -11.8424, 18.3986
Hunter-Lab	90.2219, 1.6074, 15.5537

Details

The XYZ color **80.6163, 81.3999, 72.4356** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.9118, 81.4878, 106.3882**, and the grayscale version is **78.2995, 82.3771, 89.7087**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2330, 44.2932, 37.6706** is the 20% darker color. If you saturate the color by 10%, you get **73.6655, 72.1839, 55.6740**, and if you desaturate by 10%, it is **88.4494, 91.5700, 91.9909**.

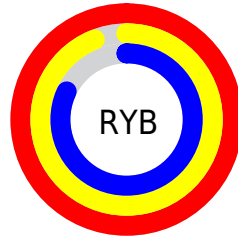
Distribution



Red (100%)

Green (89%)

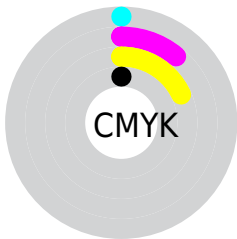
Blue (82%)



Red (100%)

Yellow (94%)

Blue (82%)

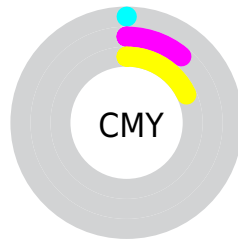


Cyan (0%)

Magenta (11%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6163, 81.3999, 72.4356 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 80.6163, 81.3999, 72.4356 by changing the saturation by 10% instead.


 80.6163, 81.3999,
72.4356

 80.6163, 81.3999,
72.4356


485.7123,
499.6382, 488.0746

 60.5358, 60.8710,
53.0256


133.1779,
135.3321, 124.3891

 44.1018, 44.1211,
37.4353


166.3897,
169.5043, 157.7697

 30.9488, 30.7657,
25.2463


204.7093,
208.9929, 196.6442

 20.7115, 20.4205,
16.0400

248.5021,
254.1825, 241.4312

 13.0245, 12.7011,
9.3978

298.1335,
305.4575, 292.5492

 7.5226, 7.2230,
4.9012

353.9687,

 3.8402, 3.6020,

363.2021, 350.4167

2.1317

416.3732,
427.8009, 415.4523

■ 1.6121, 1.4535,
0.6345

■ 0.4003, 0.2557,
0.0000

■ 80.6163, 81.3999,
72.4356

■ 80.6163, 81.3999,
72.4356

■ 73.6655, 72.1839,
55.6740

■ 88.4494, 91.5700,
91.9909

■ 67.5580, 63.8830,
41.5716

95.0500, 100.0000,
108.9000

■ 62.2598, 56.4702,
29.9909

■ 57.7322, 49.9133,
20.7793

■ 53.9327, 44.1779,
13.7677

■ 50.8142, 39.2266,
8.7644

■ 48.3224, 35.0183,
5.5436

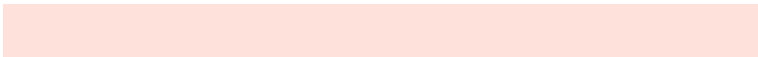
■ 46.3887, 31.5049,
3.8084

■ 45.9942, 30.7683,
3.5147

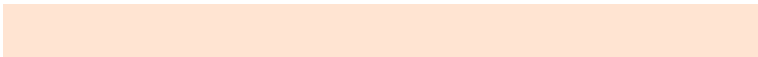
Harmonies

Analogous

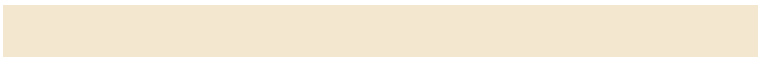
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3081, 81.3999, 78.6405



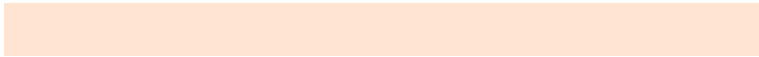
80.6163, 81.3999, 72.4356



77.1233, 81.3999, 70.4690

Triad

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



80.6163, 81.3999, 72.4356



70.7354, 81.3999, 89.3344



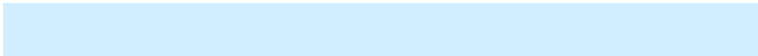
81.0534, 81.3999, 106.2816

Complementary

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



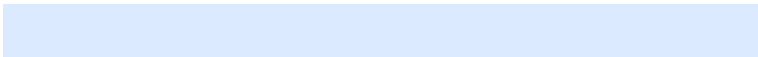
80.6163, 81.3999, 72.4356



74.9118, 81.4878, 106.3882

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.



77.6135, 81.3999, 109.6719



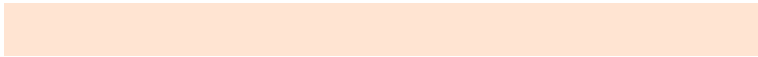
80.6163, 81.3999, 72.4356



71.7175, 81.3999, 99.4329

Square

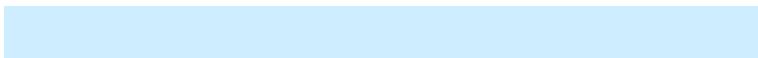
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6163, 81.3999, 72.4356



71.4848, 81.3999, 79.7684



74.2085, 81.3999, 107.0758



83.5658, 81.3999, 98.1261

Rectangle

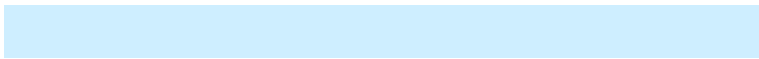
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6163, 81.3999, 72.4356



74.8295, 81.3999, 71.6948



74.2085, 81.3999, 107.0758



79.9636, 81.3999, 108.0433

Sweetspot

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



80.6181, 81.4034, 72.4373



90.6729, 94.4225, 97.6478



79.5732, 73.4685, 90.1082



19.2800, 20.0467, 20.5749



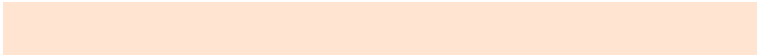
0.0000, 0.0000, 0.0000



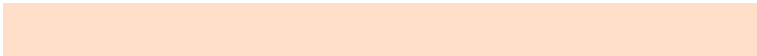
20.3446, 21.4041, 23.3091

Same Dimension

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



80.6181, 81.4034, 72.4373



78.1902, 78.2073, 66.5108



87.2143, 94.5957, 74.6360



18.6058, 19.1798, 18.8658



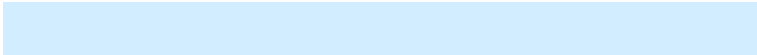
24.1693, 16.3498, 1.8820



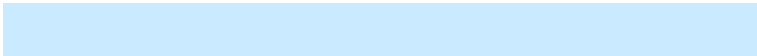
2.4567, 1.7988, 0.2177

Inverse Universe

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



74.9118, 81.4878, 106.3882



71.5602, 78.3034, 105.9502



68.8025, 69.2693, 104.3518



17.9094, 19.1904, 23.0101



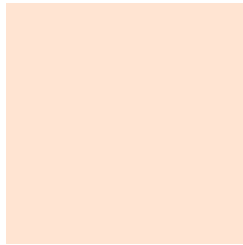
15.5314, 15.9723, 51.6990



1.6192, 1.7691, 5.0694

Previews

White Background



This preview shows how the XYZ color 80.6163, 81.3999, 72.4356 looks on a white background.

Color Contrast Check

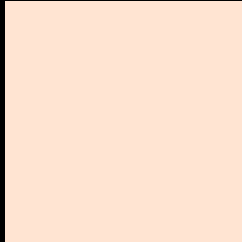
Large Text (above 18pt) WCAG AA × Fail

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 80.6163, 81.3999, 72.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

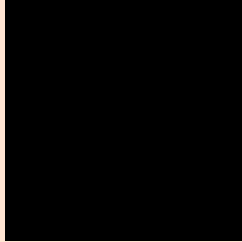
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6163, 81.3999, 72.4356

Background



This preview shows how black text looks on a background with the XYZ color 80.6163, 81.3999, 72.4356.



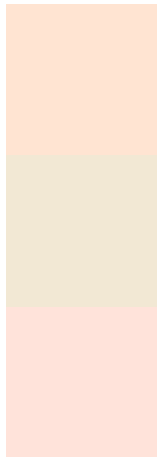
This preview shows how white text looks on a background with the XYZ color 80.6163, 81.3999,

72.4356.

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

80.6163, 81.3999, 72.4356

Protanopia

77.3582, 81.3439, 73.9111

Deuteranopia

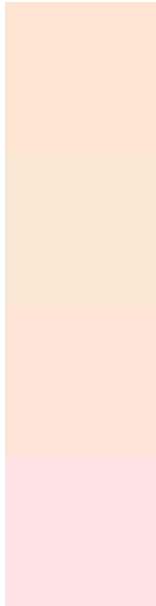
81.3640, 81.2601, 77.7261



Tritanopia

83.8934, 81.4017, 93.7285

Trichromacy



Original Color

80.6163, 81.3999, 72.4356

Protanomaly

78.6916, 81.6291, 73.2365

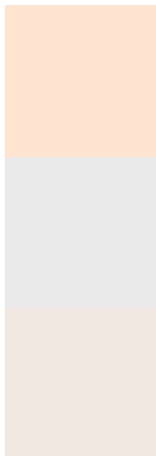
Deuteranomaly

80.9748, 81.1045, 75.6769

Tritanomaly

82.5792, 81.3099, 85.4707

Monochromacy



Original Color

80.6163, 81.3999, 72.4356

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0652, 82.0267, 82.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6163, 81.3999, 72.4356 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, 228, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 210)  
}
```

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, 228, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 210) }
```

Border

The CSS property to change the border of an element to XYZ 80.6163, 81.3999, 72.4356 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, 228, 210) }
```


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

```
.border{ border-color:rgb(255, 228, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 210); box-shadow:4px 4px 4px 4px rgb(255, 228, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6163, 81.3999, 72.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 210) }
```

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

```
.background{ background-color: rgb(255,  
228, 210) }
```

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