

Converting Colors

XYZ(78.8899, 78.1457, 71.2481)

Have a look what the booklet for
XYZ(78.8899, 78.1457, 71.2481)
contains.

XYZ(78.8699, 78.1060, 71.2407)	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(78.8699, 78.1060,
71.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDED1
RGB	255, 222, 209
RGB Percent	100%, 87%, 82%
CMY	0.0000, 0.1294, 0.1804
CMYK	0.00, 0.13, 0.18, 0.00
HSL	17°, 100%, 91%
HSV	17°, 18%, 100%
XYZ	78.8699, 78.1060, 71.2407
YIQ	230.3850, 23.8410, 2.9530

Conversions

Conversions Part 2

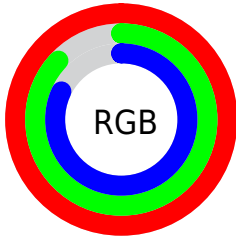
Format	Color
R _Y B	255, 227, 209
Decimal	16768721
CIE Lab	90.83, 9.39, 10.56
CIE LCh	91, 14.127, 48.367
Yxy	78.1060, 0.3456, 0.3422
Android (android.graphics.Color)	4294958801 (0xFFFFDED1)
YUV	230.3850, -10.5428, 21.5874
Hunter-Lab	88.3776, 4.6361, 14.0710

Details

The XYZ color **78.8699, 78.1060, 71.2407** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.0958, 84.2771, 106.8642**, and the grayscale version is **75.5639, 79.4991, 86.5745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0238, 42.0098, 36.8514** is the 20% darker color. If you saturate the color by 10%, you get **71.3649, 67.7504, 54.3898**, and if you desaturate by 10%, it is **87.4111, 89.7245, 90.9318**.

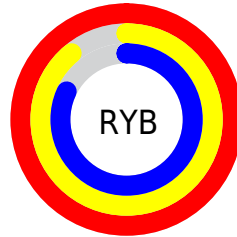
Distribution



Red (100%)

Green (87%)

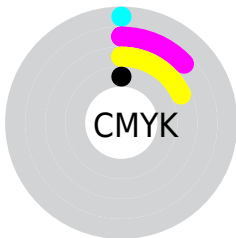
Blue (82%)



Red (100%)

Yellow (89%)

Blue (82%)

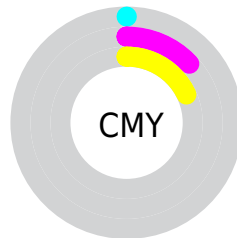


Cyan (0%)

Magenta (13%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8699, 78.1060, 71.2407 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 78.8699, 78.1060, 71.2407 by changing the saturation by 10% instead.


 78.8699, 78.1060,
71.2407

 78.8699, 78.1060,
71.2407


479.9108,
488.5267, 483.8007

 59.0941, 58.1611,
52.0556


130.7346,
130.6995, 122.6740

 42.9355, 41.9381,
36.6669


163.5542,
164.1169, 155.7594

 30.0288, 29.0529,
24.6559


201.4524,
202.7939, 194.3152

 20.0087, 19.1208,
15.6042

244.7947,
247.1149, 238.7601

 12.5096, 11.7576,
9.0932

293.9463,
297.4643, 289.5125

 7.1664, 6.5788,
4.7044

349.2726,

 3.6137, 3.2001,

354.2265, 346.9911

2.0192

411.1390,
417.7858, 411.6143

■ 1.4860, 1.2371,
0.5670

■ 0.3163, 0.0917,
0.0000

■ 78.8699, 78.1060,
71.2407

■ 78.8699, 78.1060,
71.2407

■ 71.3649, 67.7504,
54.3898

■ 87.4111, 89.7245,
90.9318

■ 64.8497, 58.6046,
40.2424

95.0500, 100.0000,
108.9000

■ 59.2826, 50.6263,
28.6575

■ 54.6166, 43.7669,
19.4796

■ 50.8004, 37.9743,
12.5359

■ 47.7770, 33.1918,
7.6301

■ 45.4809, 29.3566,
4.5314

■ 43.8299, 26.3959,
2.9285

■ 43.5634, 25.9067,
2.7045

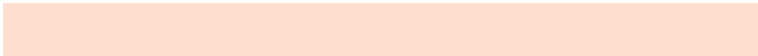
Harmonies

Analogous

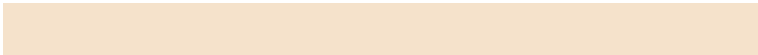
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9127, 78.1060, 79.0258



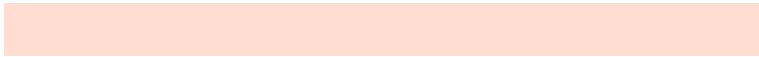
78.8699, 78.1060, 71.2407



75.6237, 78.1060, 67.2814

Triad

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



78.8699, 78.1060, 71.2407



67.7441, 78.1060, 81.1592



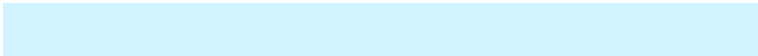
76.4114, 78.1060, 105.0004

Complementary

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



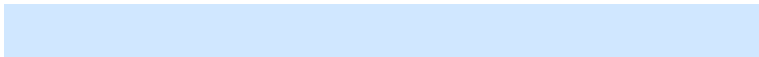
78.8699, 78.1060, 71.2407



76.0958, 84.2771, 106.8642

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.



72.8682, 78.1060, 105.6866



78.8699, 78.1060, 71.2407



67.9397, 78.1060, 91.3606

Square

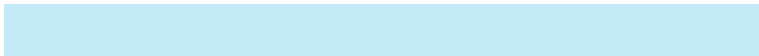
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8699, 78.1060, 71.2407



69.2467, 78.1060, 72.6950



69.7900, 78.1060, 100.5245



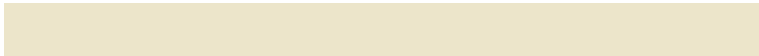
79.4623, 78.1060, 98.7182

Rectangle

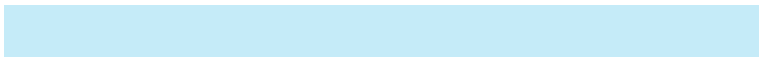
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8699, 78.1060, 71.2407



73.2475, 78.1060, 67.1159



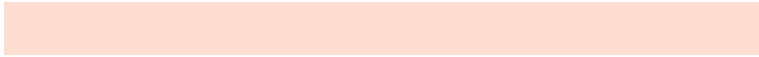
69.7900, 78.1060, 100.5245



75.2362, 78.1060, 105.9106

Sweetspot

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



78.8718, 78.1094, 71.2423



90.2162, 93.5090, 97.4955



80.1784, 73.3167, 94.5091



19.1692, 19.8251, 20.5379



0.0000, 0.0000, 0.0000



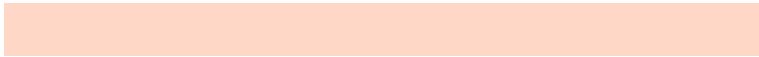
20.3446, 21.4041, 23.3091

Same Dimension

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



78.8718, 78.1094, 71.2423



75.7767, 73.8578, 64.2341



85.1799, 90.7257, 73.3451



18.4275, 18.8231, 18.8063



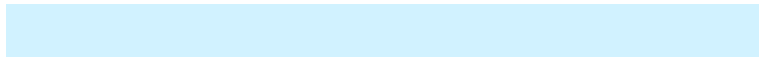
22.8712, 13.7536, 1.4493



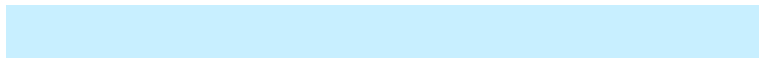
2.3148, 1.5150, 0.1704

Inverse Universe

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



76.0958, 84.2771, 106.8642



72.4840, 81.1632, 106.4535



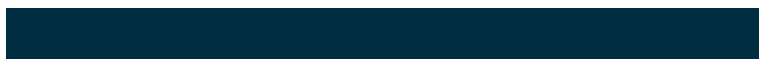
69.8686, 71.8228, 104.7885



18.0954, 19.5624, 23.0721



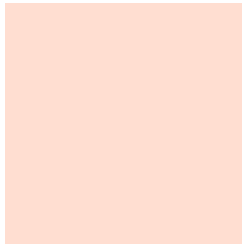
18.4028, 21.7153, 52.6561



1.8847, 2.3000, 5.1579

Previews

White Background



This preview shows how the XYZ color 78.8699, 78.1060, 71.2407 looks on a white background.

Color Contrast Check

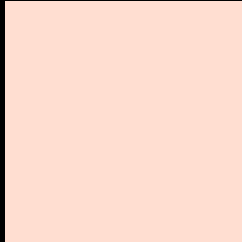
Large Text (above 18pt) WCAG AA × Fail

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 78.8699, 78.1060, 71.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

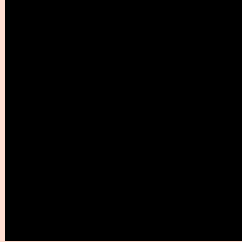
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8699, 78.1060, 71.2407

Background



This preview shows how black text looks on a background with the XYZ color 78.8699, 78.1060, 71.2407.

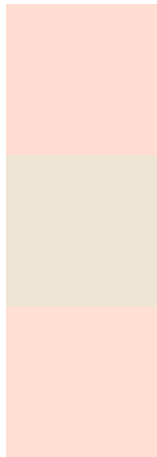


This preview shows how white text looks on a background with the XYZ color 78.8699, 78.1060,

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

78.8699, 78.1060, 71.2407

Protanopia

74.5521, 78.2448, 73.4608

Deuteranopia

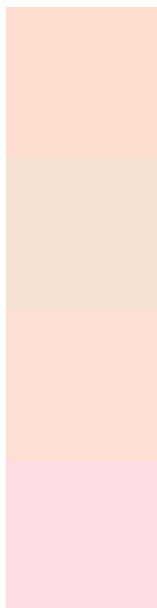
79.2449, 78.2560, 73.2156



Tritanopia

81.4228, 77.8635, 88.5796

Trichromacy



Original Color

78.8699, 78.1060, 71.2407

Protanomaly

76.2625, 78.3290, 72.7276

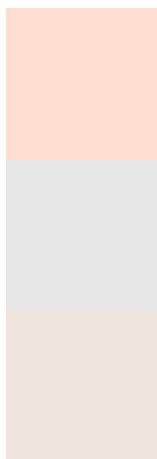
Deuteranomaly

79.1191, 78.2057, 72.5532

Tritanomaly

80.4238, 77.8826, 82.0282

Monochromacy



Original Color

78.8699, 78.1060, 71.2407

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.2505, 78.5628, 80.2525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8699, 78.1060, 71.2407 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, 222, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 209)  
}
```

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, 222, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 209) }
```

Border

The CSS property to change the border of an element to XYZ 78.8699, 78.1060, 71.2407 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, 222, 209) }
```


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

```
.border{ border-color:rgb(255, 222, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8699, 78.1060, 71.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 209) }
```

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

```
.background{ background-color: rgb(255,  
222, 209) }
```

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