

Converting Colors

XYZ(78.6345, 78.4176, 68.7500)

Have a look what the booklet for XYZ(78.6345, 78.4176, 68.7500) contains.

- XYZ(78.6471, 78.4431, 68.7535) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(78.6471, 78.4431,
68.7535)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDFCD
RGB	255, 223, 205
RGB Percent	100%, 87%, 80%
CMY	0.0000, 0.1255, 0.1961
CMYK	0.00, 0.13, 0.20, 0.00
HSL	22°, 100%, 90%
HSV	22°, 20%, 100%
XYZ	78.6471, 78.4431, 68.7535
YIQ	230.5160, 24.8500, 1.1860

Conversions

Conversions Part 2

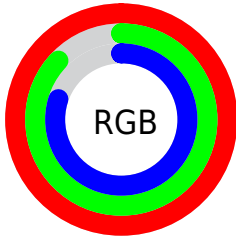
Format	Color
R _Y B	255, 233, 205
Decimal	16768973
CIE Lab	90.98, 8.28, 12.87
CIE LCh	91, 15.302, 57.238
Yxy	78.4431, 0.3482, 0.3473
Android (android.graphics.Color)	4294959053 (0xFFFFDFCD)
YUV	230.5160, -12.5794, 21.4725
Hunter-Lab	88.5681, 3.5110, 15.9721

Details

The XYZ color **78.6471, 78.4431, 68.7535** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5102, 80.7652, 106.3226**, and the grayscale version is **75.6752, 79.6162, 86.7020**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8772, 42.2454, 35.1725** is the 20% darker color. If you saturate the color by 10%, you get **71.6650, 69.0100, 52.4575**, and if you desaturate by 10%, it is **86.5548, 88.9241, 87.8350**.

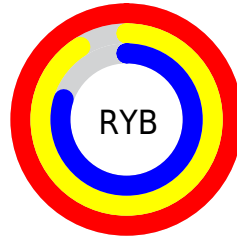
Distribution



Red (100%)

Green (87%)

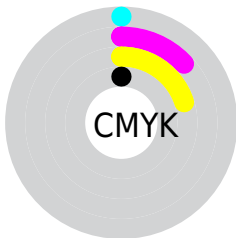
Blue (80%)



Red (100%)

Yellow (91%)

Blue (80%)

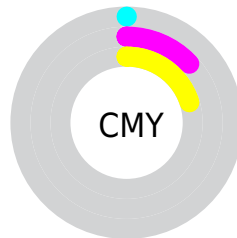


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6471, 78.4431, 68.7535 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 78.6471, 78.4431, 68.7535 by changing the saturation by 10% instead.


 78.6471, 78.4431,
68.7535

 78.6471, 78.4431,
68.7535


479.1679,
489.6703, 474.8315

 58.9103, 58.4380,
50.0405


130.4225,
131.1746, 119.0938

 42.7870, 42.1609,
35.0742


163.1918,
164.6698, 151.5582

 29.9118, 29.2273,
23.4360


201.0360,
203.4305, 189.4434

 19.9194, 19.2528,
14.7075

244.3205,
247.8411, 233.1681

 12.4444, 11.8531,
8.4700

293.4105,
298.2860, 283.1506

 7.1214, 6.6437,
4.3051

348.6716,

 3.5852, 3.2403,

355.1495, 339.8097

1.7942

410.4689,
418.8162, 403.5638

■ 1.4702, 1.2584,
0.4241

■ 0.3055, 0.1087,
0.0000

■ 78.6471, 78.4431,
68.7535

■ 78.6471, 78.4431,
68.7535

■ 71.6650, 69.0100,
52.4575

■ 86.5548, 88.9241,
87.8350

■ 65.5669, 60.5811,
38.8102

95.0500, 100.0000,
108.9000

■ 60.3159, 53.1247,
27.6707

■ 55.8702, 46.6032,
18.8831

■ 52.1841, 40.9765,
12.2733

■ 49.2064, 36.2010,
7.6430

■ 46.8778, 32.2282,
4.7569

■ 45.1132, 28.9976,
3.2481

■ 45.0521, 28.8842,
3.2007

Harmonies

Analogous

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



81.3539, 78.4431, 76.0469



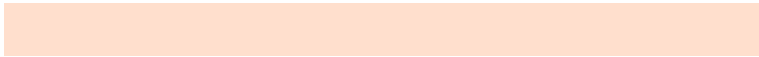
78.6471, 78.4431, 68.7535



74.9161, 78.4431, 65.8894

Triad

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



78.6471, 78.4431, 68.7535



67.3870, 78.4431, 84.3908



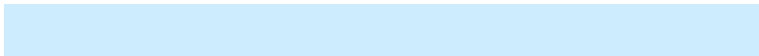
78.0068, 78.4431, 105.7399

Complementary

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



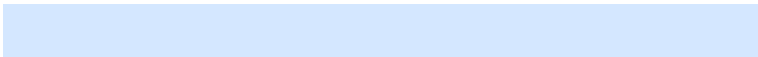
78.6471, 78.4431, 68.7535



73.5102, 80.7652, 106.3226

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.



74.2007, 78.4431, 108.4519



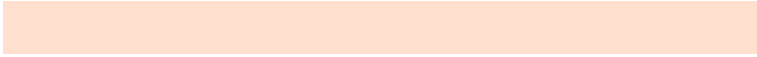
78.6471, 78.4431, 68.7535



68.1512, 78.4431, 95.5144

Square

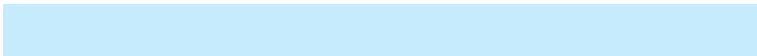
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6471, 78.4431, 68.7535



68.4887, 78.4431, 74.4163



70.6128, 78.4431, 104.5631



80.9753, 78.4431, 97.4390

Rectangle

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



78.6471, 78.4431, 68.7535



72.3798, 78.4431, 66.6748



70.6128, 78.4431, 104.5631



76.7790, 78.4431, 107.3650

Sweetspot

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



78.6490, 78.4465, 68.7551



89.6395, 92.9651, 95.4242



78.4311, 71.0672, 90.0883



19.0650, 19.7395, 20.1245



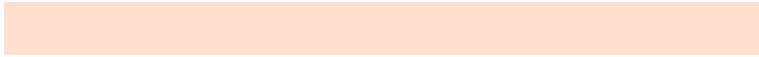
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.6490, 78.4465, 68.7551



75.4696, 74.1749, 61.2608



85.6736, 92.4958, 71.0967



18.5447, 19.0576, 18.8454



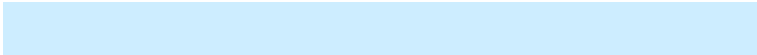
23.6689, 15.3490, 1.7152



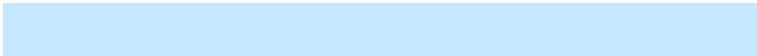
2.4037, 1.6927, 0.2000

Inverse Universe

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



73.5102, 80.7652, 106.3226



69.3749, 76.9191, 105.7982



66.8963, 67.5375, 104.1180



17.9725, 19.3166, 23.0312



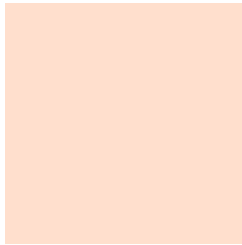
16.4379, 17.7853, 52.0011



1.7041, 1.9390, 5.0977

Previews

White Background



This preview shows how the XYZ color 78.6471, 78.4431, 68.7535 looks on a white background.

Color Contrast Check

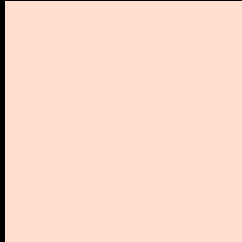
Large Text (above 18pt) WCAG AA × Fail

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 78.6471, 78.4431, 68.7535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

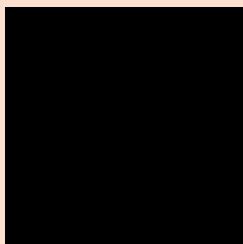
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6471, 78.4431, 68.7535

Background



This preview shows how black text looks on a background with the XYZ color 78.6471, 78.4431, 68.7535.



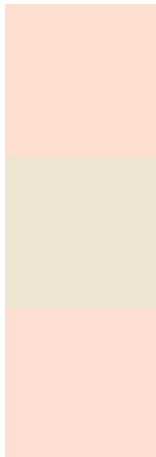
This preview shows how white text looks on a background with the XYZ color 78.6471, 78.4431,

68.7535.

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

78.6471, 78.4431, 68.7535

Protanopia

74.6644, 78.7698, 70.9434

Deuteranopia

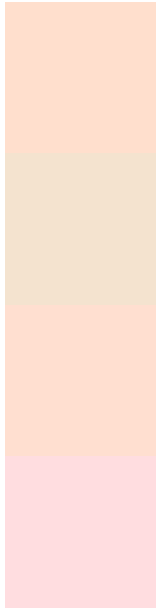
79.2605, 78.6885, 71.9837



Tritanopia

81.8286, 78.4446, 89.4257

Trichromacy



Original Color

78.6471, 78.4431, 68.7535

Protanomaly

76.0398, 78.6763, 70.2098

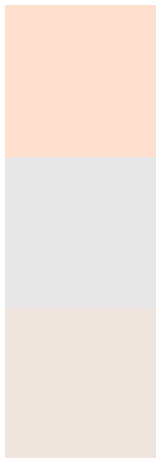
Deuteranomaly

79.0128, 78.5894, 70.6794

Tritanomaly

80.5510, 78.3547, 81.3995

Monochromacy



Original Color

78.6471, 78.4431, 68.7535

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.8634, 79.2860, 80.3598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6471, 78.4431, 68.7535 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, 223, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 205)  
}
```

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, 223, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 205) }
```

Border

The CSS property to change the border of an element to XYZ 78.6471, 78.4431, 68.7535 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, 223, 205) }
```


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

```
.border{ border-color:rgb(255, 223, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6471, 78.4431, 68.7535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 205) }
```

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

```
.background{ background-color: rgb(255,  
223, 205) }
```

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