

Converting Colors

XYZ(120.8602, 100.0000,
70.6043)

Have a look what the booklet for
XYZ(120.8602, 100.0000, 70.6043)
contains.

XYZ(78.3807, 77.9103, 68.6647)	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(78.3807, 77.9103,
68.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDECD
RGB	255, 222, 205
RGB Percent	100%, 87%, 80%
CMY	0.0000, 0.1294, 0.1961
CMYK	0.00, 0.13, 0.20, 0.00
HSL	20°, 100%, 90%
HSV	20°, 20%, 100%
XYZ	78.3807, 77.9103, 68.6647
YIQ	229.9290, 25.1250, 1.7090

Conversions

Conversions Part 2

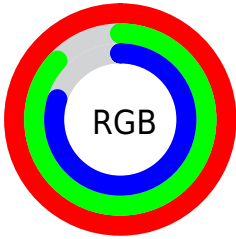
Format	Color
R _Y B	255, 231, 205
Decimal	16768717
CIE Lab	90.74, 8.80, 12.52
CIE LCh	91, 15.304, 54.915
Yxy	77.9103, 0.3484, 0.3463
Android (android.graphics.Color)	4294958797 (0xFFFFDECD)
YUV	229.9290, -12.2900, 21.9873
Hunter-Lab	88.2668, 4.0406, 15.6638

Details

The XYZ color **78.3807, 77.9103, 68.6647** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.8005, 81.3458, 106.4194**, and the grayscale version is **75.2379, 79.1561, 86.2010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6933, 41.8776, 35.1112** is the 20% darker color. If you saturate the color by 10%, you get **71.3016, 68.2832, 52.3363**, and if you desaturate by 10%, it is **86.4113, 88.6370, 87.7871**.

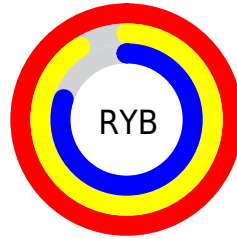
Distribution



Red (100%)

Green (87%)

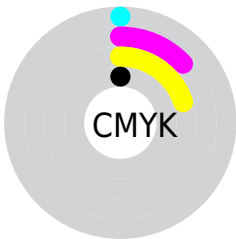
Blue (80%)



Red (100%)

Yellow (91%)

Blue (80%)

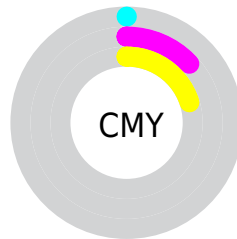


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3807, 77.9103, 68.6647 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 78.3807, 77.9103, 68.6647 by changing the saturation by 10% instead.


 78.3807, 77.9103,
68.6647

 78.3807, 77.9103,
68.6647


478.2788,
487.8621, 474.5094

 58.6906, 58.0003,
49.9686


130.0492,
130.4237, 118.9657

 42.6095, 41.8089,
35.0175


162.7583,
163.7958, 151.4078

 29.7721, 28.9517,
23.3927


200.5378,
202.4241, 189.2689

 19.8129, 19.0443,
14.6757

243.7531,
246.6930, 232.9676

 12.3666, 11.7023,
8.4480

292.7695,
296.9869, 282.9225

 7.0678, 6.5413,
4.2911

347.9523,

 3.5512, 3.1769,

353.6901, 339.5520

1.7863

409.6670,
417.1870, 403.2748

■ 1.4515, 1.2248,
0.4189

■ 0.2925, 0.0818,
0.0000

■ 78.3807, 77.9103,
68.6647

■ 78.3807, 77.9103,
68.6647

■ 71.3016, 68.2832,
52.3363

■ 86.4113, 88.6370,
87.7871

■ 65.1312, 59.7099,
38.6650

95.0500, 100.0000,
108.9000

■ 59.8315, 52.1559,
27.5093

■ 55.3592, 45.5811,
18.7127

■ 51.6671, 39.9424,
12.1009

■ 48.7023, 35.1928,
7.4750

■ 46.4040, 31.2807,
4.5989

■ 44.6851, 28.1414,
3.1054

■ 44.6260, 28.0321,
3.0587

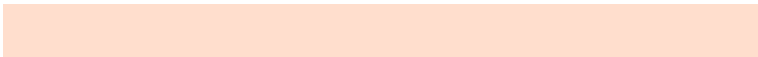
Harmonies

Analogous

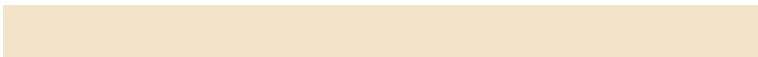
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9576, 77.9103, 76.2242



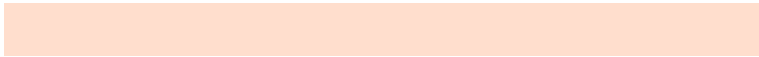
78.3807, 77.9103, 68.6647



74.7083, 77.9103, 65.4487

Triad

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



78.3807, 77.9103, 68.6647



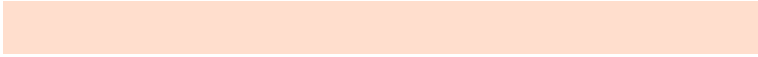
66.9320, 77.9103, 82.9690



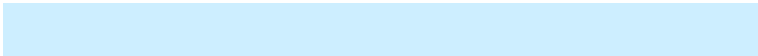
77.2083, 77.9103, 105.5091

Complementary

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



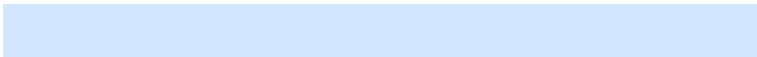
78.3807, 77.9103, 68.6647



73.8005, 81.3458, 106.4194

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.



73.3983, 77.9103, 107.7057



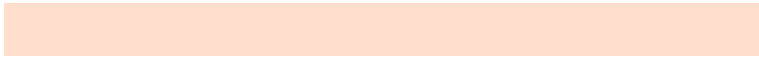
78.3807, 77.9103, 68.6647



67.5496, 77.9103, 94.0626

Square

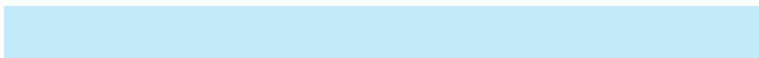
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3807, 77.9103, 68.6647



68.1675, 77.9103, 73.2386



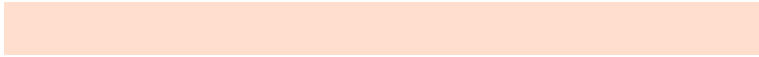
69.8845, 77.9103, 103.3544



80.2645, 77.9103, 97.5865

Rectangle

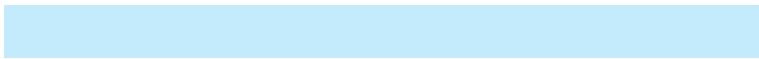
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3807, 77.9103, 68.6647



72.1657, 77.9103, 65.9798



69.8845, 77.9103, 103.3544



75.9697, 77.9103, 106.9691

Sweetspot

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



78.3826, 77.9137, 68.6663



89.5469, 92.7799, 95.3933



78.5535, 71.1161, 90.7329



19.0431, 19.6958, 20.1172



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.



78.3826, 77.9137, 68.6663



75.1575, 73.5507, 61.1567



85.4187, 91.9859, 71.0117



18.5143, 18.9968, 18.8353



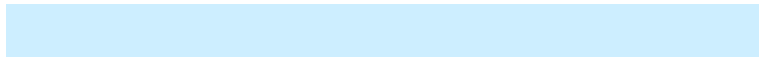
23.4416, 14.8945, 1.6394



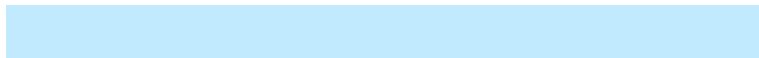
2.3790, 1.6433, 0.1918

Inverse Universe

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



73.8005, 81.3458, 106.4194



69.7226, 77.6144, 105.9140



67.1058, 67.9565, 104.1878



18.0041, 19.3799, 23.0417



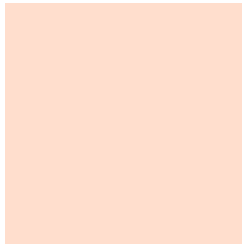
16.9187, 18.7470, 52.1614



1.7487, 2.0281, 5.1126

Previews

White Background



This preview shows how the XYZ color 78.3807, 77.9103, 68.6647 looks on a white background.

Color Contrast Check

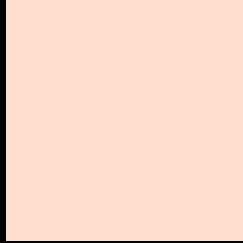
Large Text (above 18pt) WCAG AA × Fail

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 78.3807, 77.9103, 68.6647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

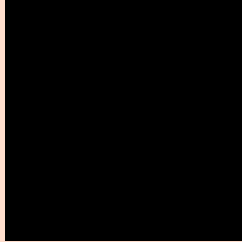
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.3807, 77.9103, 68.6647

Background



This preview shows how black text looks on a background with the XYZ color 78.3807, 77.9103, 68.6647.

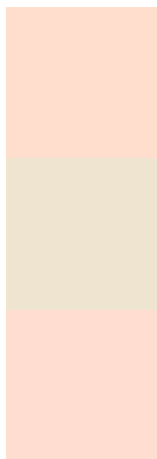


This preview shows how white text looks on a background with the XYZ color 78.3807, 77.9103,

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

78.3807, 77.9103, 68.6647

Protanopia

74.3885, 78.2180, 70.8514

Deuteranopia

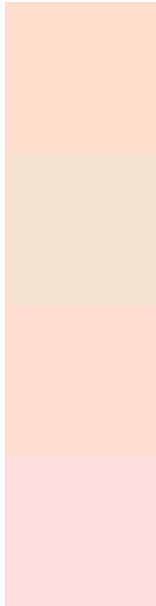
78.8699, 78.1060, 71.2407



Tritanopia

81.4228, 77.8635, 88.5796

Trichromacy



Original Color

78.3807, 77.9103, 68.6647

Protanomaly

75.7671, 78.1308, 70.1189

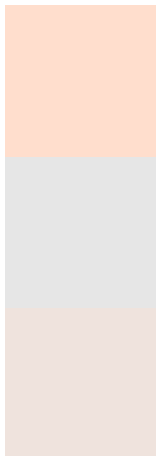
Deuteranomaly

78.7464, 78.0566, 70.5906

Tritanomaly

80.1525, 77.7741, 80.5995

Monochromacy



Original Color

78.3807, 77.9103, 68.6647

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.1168, 78.5094, 79.5486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3807, 77.9103, 68.6647 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 205) }
```

Border

The CSS property to change the border of an element to XYZ 78.3807, 77.9103, 68.6647 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, 205) }
```


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

```
.border{ border-color:rgb(255, 222, 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, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3807, 77.9103, 68.6647 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, 205) }
```

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

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