

# Converting Colors

XYZ(78.0138, 77.7212, 68.6475)

Have a look what the booklet for  
XYZ(78.0138, 77.7212, 68.6475)  
contains.

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# Color

**XYZ(78.0138, 77.7212,  
68.6475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDECD
RGB	254, 222, 205
RGB Percent	100%, 87%, 80%
CMY	0.0039, 0.1294, 0.1961
CMYK	0.00, 0.13, 0.19, 0.00
HSL	21°, 96%, 90%
HSV	21°, 19%, 100%
XYZ	78.0138, 77.7212, 68.6475
YIQ	229.6300, 24.5290, 1.4970

# Conversions

## Conversions Part 2

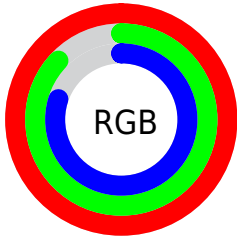
Format	Color
<b>RYB</b>	254, 231, 205
Decimal	16703181
CIELab	90.65, 8.44, 12.39
CIELCh	91, 14.988, 55.746
Yxy	77.7212, 0.3477, 0.3464
Android (android.graphics.Color)	4294893261 (0xFFFEDECD)
YUV	229.6300, -12.1426, 21.3725
Hunter-Lab	88.1596, 3.6780, 15.5442

# Details

The XYZ color **78.0138, 77.7212, 68.6475** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.3499, 80.7013, 105.4775**, and the grayscale version is **75.0163, 78.9230, 85.9472**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4306, 41.7421, 35.0989** is the 20% darker color. If you saturate the color by 10%, you get **71.0032, 68.2144, 52.3919**, and if you desaturate by 10%, it is **85.9598, 88.3008, 87.6722**.

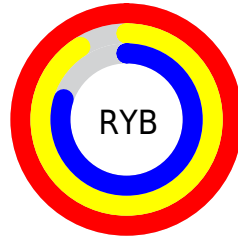
# Distribution



Red (100%)

Green (87%)

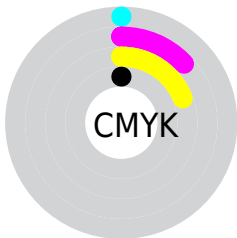
Blue (80%)



Red (100%)

Yellow (91%)

Blue (80%)

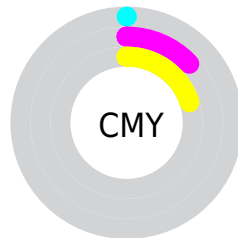


Cyan (0%)

Magenta (13%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0138, 77.7212, 68.6475 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 78.0138, 77.7212, 68.6475 by changing the saturation by 10% instead.




 78.0138, 77.7212,  
68.6475

 78.0138, 77.7212,  
68.6475

477.0528,  
487.2195, 474.4470

 58.3881, 57.8450,  
49.9547

129.5348,  
130.1570, 118.9409

 42.3652, 41.6840,  
35.0065


162.1609,  
163.4854, 151.3786

 29.5797, 28.8540,  
23.3843


199.8512,  
202.0667, 189.2351

 19.6663, 18.9704,  
14.6696

242.9710,  
246.2852, 232.9288

 12.2596, 11.6489,  
8.4438

291.8857,  
296.5253, 282.8782

 6.9942, 6.5051,  
4.2884

346.9607,

 3.5047, 3.1546,

353.1715, 339.5021

1.7848

408.5613,  
416.6081, 403.2188

■ 1.4260, 1.2129,  
0.4179

■ 0.2746, 0.0722,  
0.0000

■ 78.0138, 77.7212,  
68.6475

■ 78.0138, 77.7212,  
68.6475

■ 71.0032, 68.2144,  
52.3919

■ 85.9598, 88.3008,  
87.6722

■ 64.8851, 59.7354,  
38.7702

94.6833, 99.8110,  
108.8828

■ 59.6228, 52.2512,  
27.6428

■ 55.1741, 45.7231,  
18.8553

■ 51.4927, 40.1095,  
12.2359

■ 48.5272, 35.3653,  
7.5888

■ 46.2182, 31.4405,  
4.6818

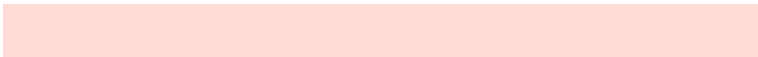
■ 44.4826, 28.2738,  
3.1646

■ 44.3752, 28.0748,  
3.0801

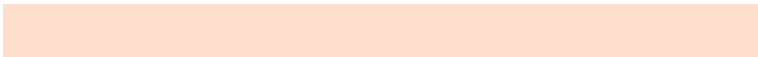
# Harmonies

## Analogous

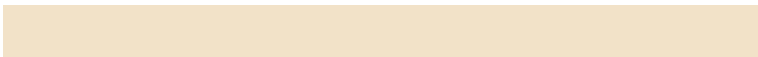
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5730, 77.7212, 75.9509



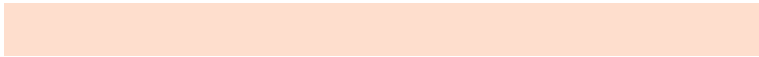
78.0138, 77.7212, 68.6475



74.4090, 77.7212, 65.6207

# Triad

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



78.0138, 77.7212, 68.6475



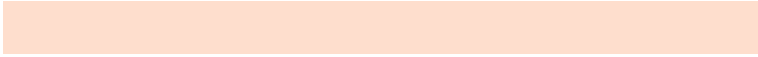
66.8978, 77.7212, 83.0993



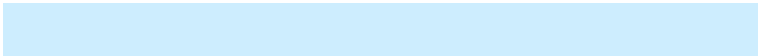
77.0549, 77.7212, 104.6664

# Complementary

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



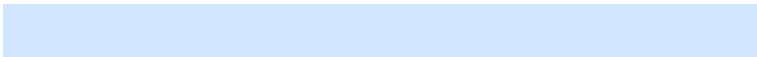
78.0138, 77.7212, 68.6475



73.3499, 80.7013, 105.4775

# 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.



73.3369, 77.7212, 106.9845



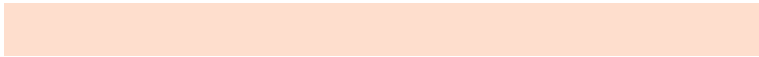
78.0138, 77.7212, 68.6475



67.5526, 77.7212, 93.9360

# Square

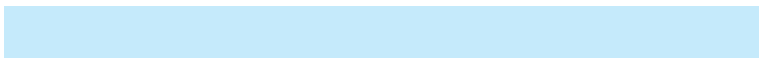
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0138, 77.7212, 68.6475



68.0589, 77.7212, 73.5037



69.8788, 77.7212, 102.9075



80.0063, 77.7212, 96.8154



# Rectangle

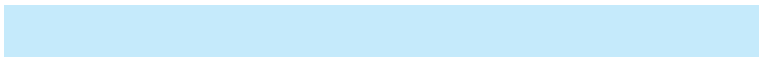
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0138, 77.7212, 68.6475



71.9282, 77.7212, 66.2299



69.8788, 77.7212, 102.9075



75.8499, 77.7212, 106.1455

# Sweetspot

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



78.0159, 77.7247, 68.6491



89.5790, 92.8441, 95.4040



78.0889, 70.8879, 90.2002



19.0507, 19.7110, 20.1198



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

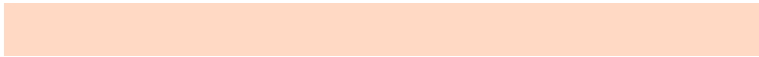


# Same Dimension

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



78.0159, 77.7247, 68.6491



75.9803, 74.7347, 62.8543



84.7983, 91.2895, 70.9099



18.5248, 19.0179, 18.8388



23.5188, 15.0488, 1.6651

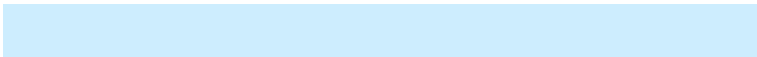


2.3874, 1.6602, 0.1946

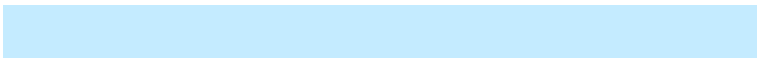


# Inverse Universe

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



73.3499, 80.7013, 105.4775



70.5132, 78.2170, 105.9887



66.9034, 67.8083, 103.3287



17.9931, 19.3579, 23.0381



16.7498, 18.4091, 52.1051

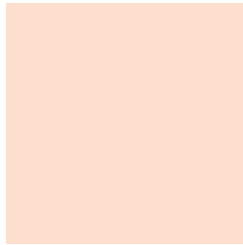


1.7331, 1.9969, 5.1074



# Previews

## White Background



This preview shows how the XYZ color 78.0138, 77.7212, 68.6475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

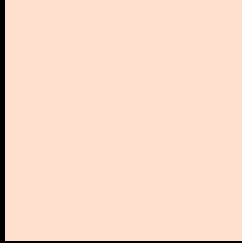
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0138, 77.7212, 68.6475 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 78.0138, 77.7212, 68.6475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0138, 77.7212, 68.6475.



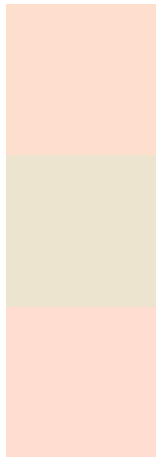
This preview shows how white text looks on a background with the XYZ color 78.0138, 77.7212,

68.6475.

# 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

78.0138, 77.7212, 68.6475

### Protanopia

74.0536, 78.0454, 70.8357

### Deuteranopia

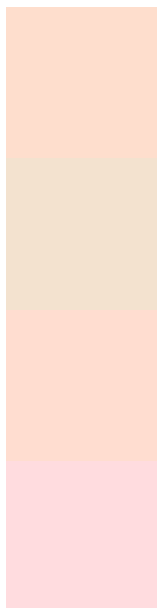
78.6051, 77.5764, 71.1524



## Tritanopia

81.4228, 77.8635, 88.5796

# Trichromacy



## Original Color

78.0138, 77.7212, 68.6475

## Protanomaly

75.4210, 77.9524, 70.1027

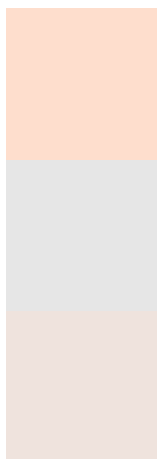
## Deuteranomaly

78.4816, 77.5270, 70.5023

## Tritanomaly

80.1525, 77.7741, 80.5995

# Monochromacy



## Original Color

78.0138, 77.7212, 68.6475

## 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 78.0138, 77.7212, 68.6475 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(254, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 222, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0138, 77.7212, 68.6475 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(254, 222, 205) }
```



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

```
.border{ border-color:rgb(254, 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(254, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 222,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0138, 77.7212, 68.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 222, 205) }
```

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

```
.background{ background-color: rgb(254,  
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](#).

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