

Converting Colors

XYZ(103.0714, 90.0077,
67.6760)

Have a look what the booklet for
XYZ(103.0714, 90.0077, 67.6760)
contains.

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Color

**XYZ(77.4939, 76.7107,
66.5994)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCCA
RGB	255, 220, 202
RGB Percent	100%, 86%, 79%
CMY	0.0000, 0.1372, 0.2078
CMYK	0.00, 0.14, 0.21, 0.00
HSL	20°, 100%, 90%
HSV	20°, 21%, 100%
XYZ	77.4939, 76.7107, 66.5994
YIQ	228.4130, 26.6380, 1.8220

Conversions

Conversions Part 2

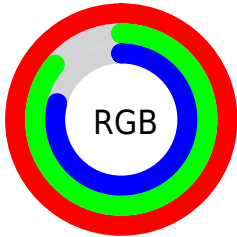
Format	Color
R _Y B	255, 229, 202
Decimal	16768202
CIE Lab	90.19, 9.40, 13.31
CIE LCh	90, 16.293, 54.785
Yxy	76.7107, 0.3510, 0.3474
Android (android.graphics.Color)	4294958282 (0xFFFFDCCA)
YUV	228.4130, -13.0216, 23.3168
Hunter-Lab	87.5846, 4.6616, 16.2251

Details

The XYZ color **77.4939, 76.7107, 66.5994** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.6904, 80.3425, 106.2842**, and the grayscale version is **74.1256, 77.9859, 84.9266**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0891, 41.0542, 33.7229** is the 20% darker color. If you saturate the color by 10%, you get **70.5221, 67.2063, 50.5902**, and if you desaturate by 10%, it is **85.4134, 87.3115, 85.3877**.

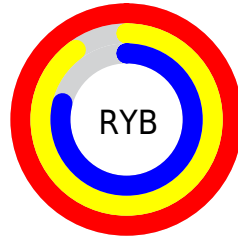
Distribution



Red (100%)

Green (86%)

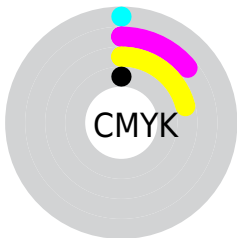
Blue (79%)



Red (100%)

Yellow (90%)

Blue (79%)

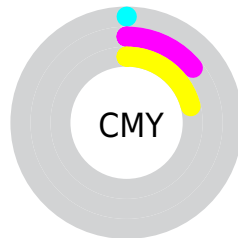


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4939, 76.7107, 66.5994 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 77.4939, 76.7107, 66.5994 by changing the saturation by 10% instead.


 77.4939, 76.7107,
66.5994

 77.4939, 76.7107,
66.5994


475.3125,
483.7771, 466.9801

 57.9597, 57.0155,
48.2996


128.8056,
128.7310, 115.9814

 42.0194, 41.0177,
33.7025


161.3137,
161.8249, 147.9007

 29.3076, 28.3329,
22.3897


198.8772,
200.1538, 185.1968

 19.4591, 18.5767,
13.9424

241.8615,
244.1021, 228.2884

 12.1085, 11.3648,
7.9424

290.6317,
294.0541, 277.5940

 6.8903, 6.3128,
3.9708

345.5534,

 3.4393, 3.0362,

350.3944, 333.5321

1.6094

406.9919,
413.5073, 396.5213

■ 1.3901, 1.1507,
0.2975

■ 0.2492, 0.0208,
0.0000

■ 77.4939, 76.7107,
66.5994

■ 77.4939, 76.7107,
66.5994

■ 70.5221, 67.2063,
50.5902

■ 85.4134, 87.3115,
85.3877

■ 64.4550, 58.7523,
37.2221

■ 94.3104, 99.0330,
107.0745

■ 59.2540, 51.3140,
26.3521

■ 95.0500, 100.0000,
108.9000

■ 54.8756, 44.8507,
17.8218

■ 51.2719, 39.3190,
11.4545

■ 48.3893, 34.6715,
7.0478

■ 46.1655, 30.8554,
4.3597

■ 44.6182, 28.0164,
3.0561

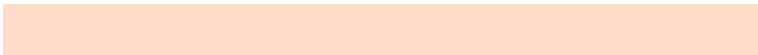
Harmonies

Analogous

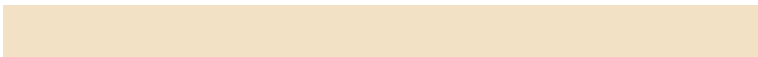
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2111, 76.7107, 74.5215



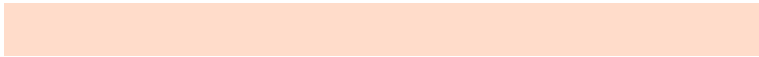
77.4939, 76.7107, 66.5994



73.6213, 76.7107, 63.2282

Triad

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



77.4939, 76.7107, 66.5994



65.4290, 76.7107, 81.5143



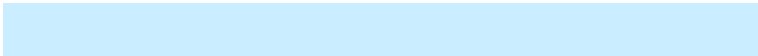
76.2242, 76.7107, 105.4496

Complementary

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



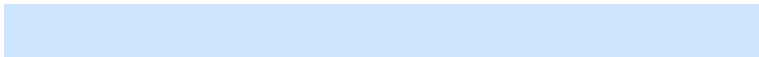
77.4939, 76.7107, 66.5994



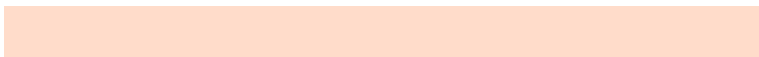
72.6904, 80.3425, 106.2842

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.



72.2057, 76.7107, 107.7576



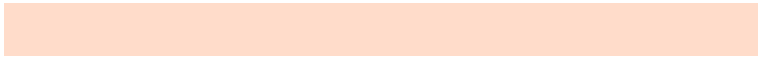
77.4939, 76.7107, 66.5994



66.0683, 76.7107, 93.2258

Square

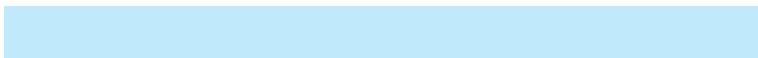
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4939, 76.7107, 66.5994



66.7332, 76.7107, 71.3148



68.5129, 76.7107, 103.0995



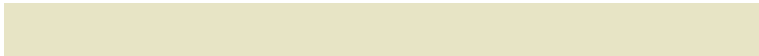
79.4592, 76.7107, 97.0548

Rectangle

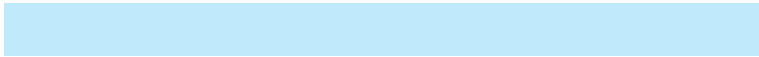
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4939, 76.7107, 66.5994



70.9423, 76.7107, 63.7663



68.5129, 76.7107, 103.0995



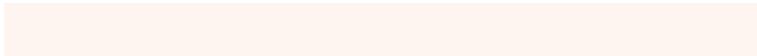
74.9162, 76.7107, 106.9939

Sweetspot

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



77.4957, 76.7140, 66.6010



89.5451, 92.7764, 95.3927



77.6958, 69.6358, 89.7228



19.0427, 19.6950, 20.1171



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.



77.4957, 76.7140, 66.6010



74.4424, 72.5744, 59.5193



84.9074, 91.5375, 69.0716



18.5137, 18.9956, 18.8351



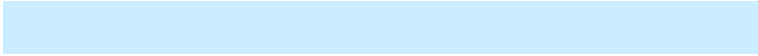
23.4374, 14.8861, 1.6380



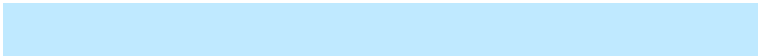
2.3785, 1.6424, 0.1917

Inverse Universe

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



72.6904, 80.3425, 106.2842



68.8349, 76.8009, 105.8038



65.6608, 66.2833, 103.9410



18.0047, 19.3811, 23.0419



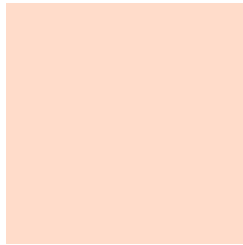
16.9280, 18.7656, 52.1645



1.7496, 2.0298, 5.1129

Previews

White Background



This preview shows how the XYZ color 77.4939, 76.7107, 66.5994 looks on a white background.

Color Contrast Check

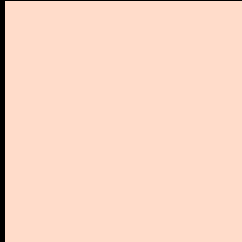
Large Text (above 18pt) WCAG AA × Fail

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 77.4939, 76.7107, 66.5994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

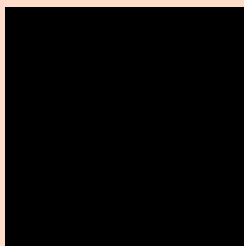
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

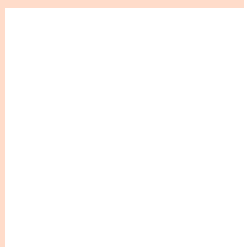
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4939, 76.7107, 66.5994

Background



This preview shows how black text looks on a background with the XYZ color 77.4939, 76.7107, 66.5994.



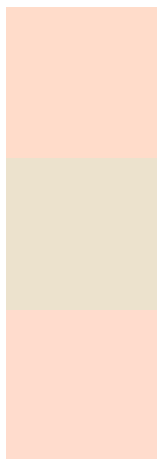
This preview shows how white text looks on a background with the XYZ color 77.4939, 76.7107,

66.5994.

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

77.4939, 76.7107, 66.5994

Protanopia

72.8079, 76.6334, 68.7119

Deuteranopia

77.8526, 76.8542, 68.4887



Tritanopia

80.6183, 76.7119, 86.9018

Trichromacy



Original Color

77.4939, 76.7107, 66.5994

Protanomaly

74.5169, 76.7256, 68.0088

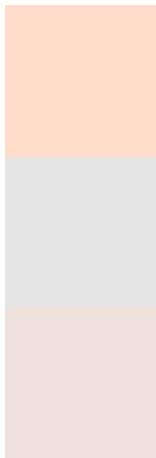
Deuteranomaly

77.7323, 76.8060, 67.8549

Tritanomaly

79.3625, 76.6233, 79.0135

Monochromacy



Original Color

77.4939, 76.7107, 66.5994

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.9713, 77.1420, 77.9563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4939, 76.7107, 66.5994 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, 220, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 202)  
}
```

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, 220, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 202) }
```

Border

The CSS property to change the border of an element to XYZ 77.4939, 76.7107, 66.5994 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, 220, 202) }
```


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

```
.border{ border-color:rgb(255, 220, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4939, 76.7107, 66.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 202) }
```

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

```
.background{ background-color: rgb(255,  
220, 202) }
```

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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