

# Converting Colors

XYZ(122.3704, 100.0000,  
67.8866)

Have a look what the booklet for  
XYZ(122.3704, 100.0000, 67.8866)  
contains.

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# Color

**XYZ(77.3758, 76.6634,  
65.9777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCC9
RGB	255, 220, 201
RGB Percent	100%, 86%, 79%
CMY	0.0000, 0.1372, 0.2118
CMYK	0.00, 0.14, 0.21, 0.00
HSL	21°, 100%, 89%
HSV	21°, 21%, 100%
XYZ	77.3758, 76.6634, 65.9777
YIQ	228.2990, 26.9590, 1.5110

# Conversions

## Conversions Part 2

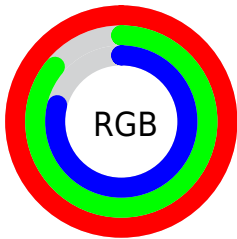
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 201
Decimal	16768201
CIE Lab	90.17, 9.25, 13.80
CIE LCh	90, 16.617, 56.167
Yxy	76.6634, 0.3517, 0.3484
Android (android.graphics.Color)	4294958281 (0xFFFFDCC9)
YUV	228.2990, -13.4584, 23.4168
Hunter-Lab	87.5576, 4.5169, 16.6133

# Details

The XYZ color **77.3758, 76.6634, 65.9777** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.1320, 79.6261, 106.1753**, and the grayscale version is **74.0449, 77.9010, 84.8341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0103, 41.0226, 33.3077** is the 20% darker color. If you saturate the color by 10%, you get **70.4969, 67.3142, 50.0936**, and if you desaturate by 10%, it is **85.1852, 87.0760, 84.6306**.

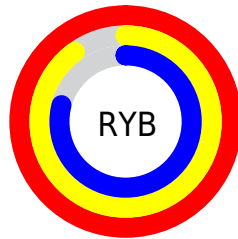
# Distribution



Red (100%)

Green (86%)

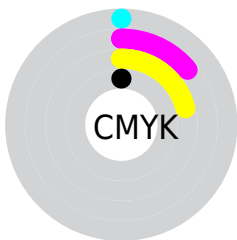
Blue (79%)



Red (100%)

Yellow (90%)

Blue (79%)

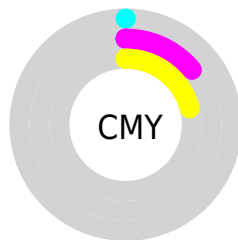


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3758, 76.6634, 65.9777 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 77.3758, 76.6634, 65.9777 by changing the saturation by 10% instead.




 77.3758, 76.6634,  
65.9777

 77.3758, 76.6634,  
65.9777


474.9167,  
483.6156, 464.6992

 57.8624, 56.9767,  
47.7979


128.6399,  
128.6642, 115.0810

 41.9408, 40.9865,  
33.3080


161.1212,  
161.7471, 146.8417

 29.2459, 28.3085,  
22.0895

198.6558,  
200.0641, 183.9663

 19.4121, 18.5584,  
13.7237

241.6092,  
243.9997, 226.8736

 12.0742, 11.3516,  
7.7922

290.3466,  
293.9383, 275.9820

 6.8668, 6.3038,  
3.8764

345.2334,

 3.4245, 3.0307,

350.2642, 331.7100

1.5578

406.6350,  
413.3618, 394.4762

■ 1.3820, 1.1478,  
0.2604

■ 0.2434, 0.0184,  
0.0000

■ 77.3758, 76.6634,  
65.9777

■ 77.3758, 76.6634,  
65.9777

■ 70.4969, 67.3142,  
50.0936

■ 85.1852, 87.0760,  
84.6306

■ 64.5060, 58.9838,  
36.8400

■ 93.9542, 98.5749,  
106.1718

■ 59.3654, 51.6389,  
26.0740

95.0500, 100.0000,  
108.9000

■ 55.0321, 45.2406,  
17.6366

■ 51.4590, 39.7471,  
11.3507

■ 48.5932, 35.1127,  
7.0128

■ 46.3732, 31.2868,  
4.3795

■ 44.8748, 28.5296,  
3.1416

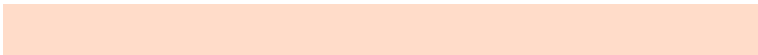
# Harmonies

## Analogous

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



80.2253, 76.6634, 73.8441



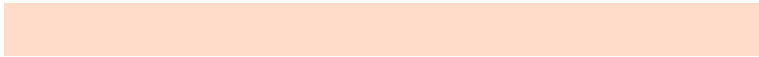
77.3758, 76.6634, 65.9777



73.3982, 76.6634, 62.7833

# Triad

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



77.3758, 76.6634, 65.9777



65.2296, 76.6634, 81.9630



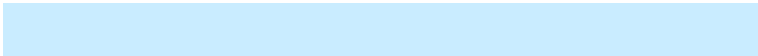
76.4232, 76.6634, 105.5845

# Complementary

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



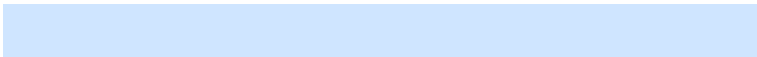
77.3758, 76.6634, 65.9777



72.1320, 79.6261, 106.1753

# 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.



72.3369, 76.6634, 108.2726



77.3758, 76.6634, 65.9777



65.9716, 76.6634, 93.9054

# Square

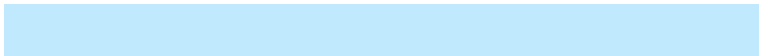
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3758, 76.6634, 65.9777



66.4694, 76.6634, 71.4450



68.5354, 76.6634, 103.8172



79.6609, 76.6634, 96.7813



# Rectangle

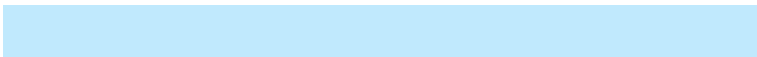
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3758, 76.6634, 65.9777



70.6783, 76.6634, 63.4874



68.5354, 76.6634, 103.8172



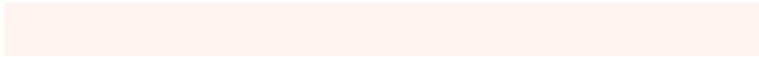
75.0989, 76.6634, 107.2670

# Sweetspot

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



77.3776, 76.6668, 65.9793



89.6017, 92.8896, 95.4116



77.2820, 69.0960, 88.6972



19.0561, 19.7217, 20.1215



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.



77.3776, 76.6668, 65.9793



74.6388, 72.9672, 59.5848



85.0131, 91.9377, 68.5244



18.5323, 19.0328, 18.8413



23.5744, 15.1600, 1.6837

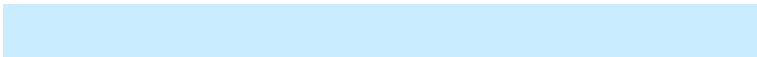


2.3935, 1.6723, 0.1966

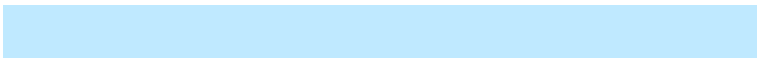


# Inverse Universe

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



72.1320, 79.6261, 106.1753



68.6143, 76.3598, 105.7303



64.9632, 65.2884, 103.7857



17.9854, 19.3424, 23.0355



16.6317, 18.1730, 52.0657

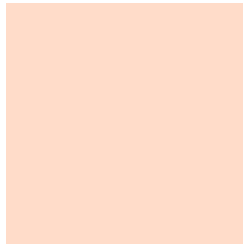


1.7221, 1.9750, 5.1037



# Previews

## White Background



This preview shows how the XYZ color 77.3758, 76.6634, 65.9777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

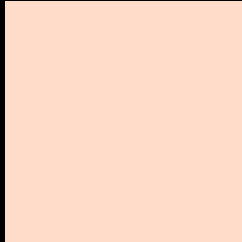
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3758, 76.6634, 65.9777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

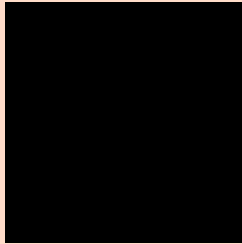
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3758, 76.6634, 65.9777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3758, 76.6634, 65.9777.



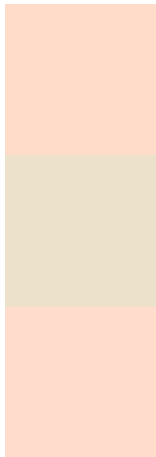
This preview shows how white text looks on a background with the XYZ color 77.3758, 76.6634,

65.9777.

# 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

77.3758, 76.6634, 65.9777

### Protanopia

72.6875, 76.5852, 68.0781

### Deuteranopia

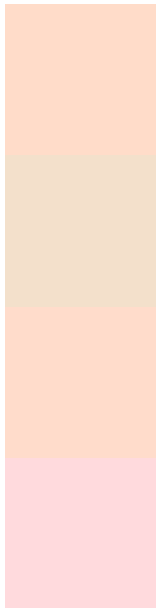
77.7323, 76.8060, 67.8549



## Tritanopia

80.6183, 76.7119, 86.9018

# Trichromacy



## Original Color

77.3758, 76.6634, 65.9777

## Protanomaly

74.3973, 76.6778, 67.3790

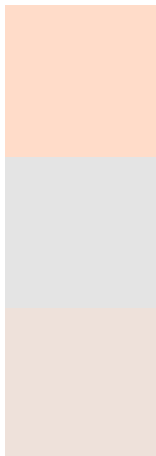
## Deuteranomaly

77.6127, 76.7582, 67.2251

## Tritanomaly

79.3625, 76.6233, 79.0135

# Monochromacy



## Original Color

77.3758, 76.6634, 65.9777

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.8400, 77.0895, 77.2649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3758, 76.6634, 65.9777 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3758, 76.6634, 65.9777 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, 201) }
```



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

```
.border{ border-color:rgb(255, 220, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3758, 76.6634, 65.9777 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
220, 201) }
```

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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