

# Converting Colors

XYZ(74.0992, 66.1140, 77.2054)

Have a look what the booklet for  
XYZ(74.0992, 66.1140, 77.2054)  
contains.

<b>XYZ(74.0311, 65.9603, 77.2364)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.0311, 65.9603,  
77.2364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4DD
RGB	255, 196, 221
RGB Percent	100%, 77%, 87%
CMY	0.0000, 0.2313, 0.1333
CMYK	0.00, 0.23, 0.13, 0.00
HSL	335°, 100%, 88%
HSV	335°, 23%, 100%
XYZ	74.0311, 65.9603, 77.2364
YIQ	216.4910, 27.1390, 20.2830

# Conversions

## Conversions Part 2

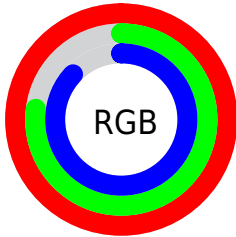
Format	Color
R <sub>Y</sub> B	255, 196, 221
Decimal	16762077
CIE Lab	84.98, 24.80, -4.27
CIE LCh	85, 25.163, 350.227
Yxy	65.9603, 0.3408, 0.3036
Android (android.graphics.Color)	4294952157 (0xFFFFC4DD)
YUV	216.4910, 2.2229, 33.7724
Hunter-Lab	81.2159, 20.5809, 0.4663

# Details

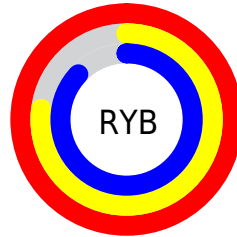
The XYZ color **74.0311, 65.9603, 77.2364** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.8101, 88.9700, 88.2017**, and the grayscale version is **65.5788, 68.9940, 75.1345**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **39.8446, 34.1049, 40.5593** is the 20% darker color. If you saturate the color by 10%, you get **66.8875, 54.6706, 65.6144**, and if you desaturate by 10%, it is **82.3266, 79.2790, 90.0897**.

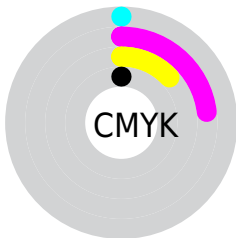
# Distribution



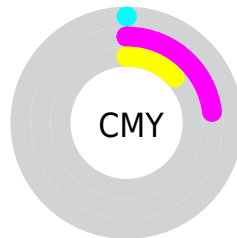
- Red (100%)
- Green (77%)
- Blue (87%)



- Red (100%)
- Yellow (77%)
- Blue (87%)



- Cyan (0%)
- Magenta (23%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0311, 65.9603, 77.2364 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 74.0311, 65.9603, 77.2364 by changing the saturation by 10% instead.




 74.0311, 65.9603,  
77.2364

 74.0311, 65.9603,  
77.2364


463.6293,  
446.2349, 505.0287

 55.1109, 48.2402,  
56.9342


 123.9352,  
113.4294, 131.2492

 39.7247, 34.0171,  
40.5434


155.6497,  
143.9471, 165.7969

 27.5072, 22.9068,  
27.6455


192.3597,  
179.4994, 205.9301

 18.0931, 14.5247,  
17.8219

234.4305,  
220.4709, 252.0674

 11.1169, 8.4865,  
10.6541

282.2276,  
267.2457, 304.6274

 6.2134, 4.4078,  
5.7235

336.1161,

 3.0172, 1.9042,

320.2084, 364.0286

2.6116

396.4616,  
379.7433, 430.6895

■ 1.1628, 0.5509,  
0.8984

■ 0.0767, 0.0000,  
0.0000

■ 74.0311, 65.9603,  
77.2364

■ 74.0311, 65.9603,  
77.2364

■ 66.8875, 54.6706,  
65.6144

■ 82.3266, 79.2790,  
90.0897

■ 60.8375, 45.3011,  
55.1802

■ 91.8196, 94.7120,  
104.2077

■ 55.8244, 37.7453,  
45.8933

95.0500, 100.0000,  
108.9000

■ 51.7842, 31.8829,  
37.7088

■ 48.6454, 27.5787,  
30.5784

■ 46.3257, 24.6768,  
24.4489

■ 44.7262, 22.9879,  
19.2600

■ 43.9490, 22.3436,  
16.1954

# Harmonies

## Analogous

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



71.4273, 65.9603, 93.6408



74.0311, 65.9603, 77.2364



73.4597, 65.9603, 61.5820

# Triad

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



74.0311, 65.9603, 77.2364



59.0085, 65.9603, 46.3828



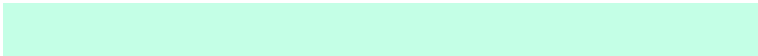
55.9911, 65.9603, 98.5111

# Complementary

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



74.0311, 65.9603, 77.2364



72.8101, 88.9700, 88.2017

# 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.



53.0338, 65.9603, 83.1331



74.0311, 65.9603, 77.2364



54.7019, 65.9603, 53.6825

# Square

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



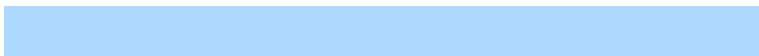
74.0311, 65.9603, 77.2364



64.5572, 65.9603, 45.2942



52.5765, 65.9603, 66.6621



60.8656, 65.9603, 107.0873



# Rectangle

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



74.0311, 65.9603, 77.2364



71.3670, 65.9603, 53.5271



52.5765, 65.9603, 66.6621



54.7525, 65.9603, 93.8665

# Sweetspot

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



74.0326, 65.9631, 77.2378



88.0053, 88.4903, 98.5986



70.2437, 63.4324, 103.1492



18.7128, 18.7389, 20.9204



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.



74.0326, 65.9631, 77.2378



70.4162, 60.2225, 71.4318



71.8446, 66.5261, 61.2823



18.3287, 18.1148, 20.3482



23.0352, 11.7034, 8.8356



2.2961, 1.1608, 1.1406



# Inverse Universe

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



74.0326, 65.9631, 77.2378



70.4162, 60.2225, 71.4318



75.3346, 87.9928, 107.6215



18.3287, 18.1148, 20.3482



23.0352, 11.7034, 8.8356



2.2961, 1.1608, 1.1406



# Previews

## White Background



This preview shows how the XYZ color 74.0311, 65.9603, 77.2364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

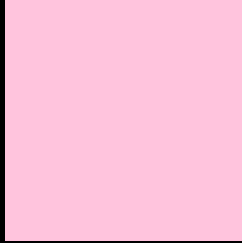
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0311, 65.9603, 77.2364 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 74.0311, 65.9603, 77.2364

## Background



This preview shows how black text looks on a background with the XYZ color 74.0311, 65.9603, 77.2364.



This preview shows how white text looks on a background with the XYZ color 74.0311, 65.9603,



# 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

74.0311, 65.9603, 77.2364

### Protanopia

64.4412, 66.1506, 84.2348

### Deuteranopia

67.4906, 66.0801, 76.2154



## Tritanopia

72.8495, 65.8074, 71.8133

# Trichromacy



## Original Color

74.0311, 65.9603, 77.2364

## Protanomaly

67.6150, 66.0196, 81.8524

## Deuteranomaly

69.6354, 65.7591, 76.7327

## Tritanomaly

73.2340, 65.9612, 73.8377

# Monochromacy



## Original Color

74.0311, 65.9603, 77.2364

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

68.0885, 67.4859, 75.7671

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0311, 65.9603, 77.2364 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, 196, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 221)  
}
```

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, 196, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0311, 65.9603, 77.2364 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, 196, 221) }
```



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

```
.border{ border-color:rgb(255, 196, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0311, 65.9603, 77.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 221) }
```

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

```
.background{ background-color: rgb(255,  
196, 221) }
```

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