

# Converting Colors

XYZ(100.0302, 85.4539,  
80.0143)

Have a look what the booklet for  
XYZ(100.0302, 85.4539, 80.0143)  
contains.

**XYZ(78.2191, 74.1224, 79.2917) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# Color

**XYZ(78.2191, 74.1224,  
79.2917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5DE
RGB	255, 213, 222
RGB Percent	100%, 84%, 87%
CMY	0.0000, 0.1647, 0.1294
CMYK	0.00, 0.16, 0.13, 0.00
HSL	347°, 100%, 92%
HSV	347°, 16%, 100%
XYZ	78.2191, 74.1224, 79.2917
YIQ	226.5840, 22.1430, 11.7030

# Conversions

## Conversions Part 2

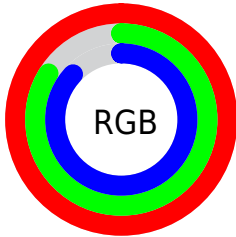
Format	Color
R <sub>YB</sub>	255, 213, 222
Decimal	16766430
CIE <sub>Lab</sub>	88.98, 16.05, 1.06
CIE <sub>LCh</sub>	89, 16.090, 3.792
Y <sub>xy</sub>	74.1224, 0.3377, 0.3200
Android (android.graphics.Color)	4294956510 (0xFFFFD5DE)
YUV	226.5840, -2.2599, 24.9208
Hunter-Lab	86.0944, 11.5070, 5.6608

# Details

The XYZ color **78.2191, 74.1224, 79.2917** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.8375, 92.3211, 100.8043**, and the grayscale version is **72.7177, 76.5047, 83.3136**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4906, 39.2495, 41.8956** is the 20% darker color. If you saturate the color by 10%, you get **69.7742, 61.2783, 64.0050**, and if you desaturate by 10%, it is **87.9949, 89.1173, 96.5987**.

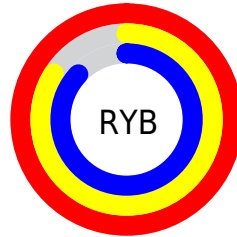
# Distribution



Red (100%)

Green (84%)

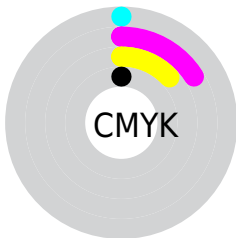
Blue (87%)



Red (100%)

Yellow (84%)

Blue (87%)

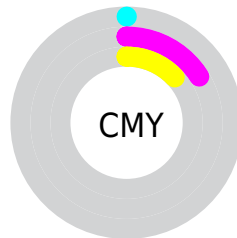


Cyan (0%)

Magenta (16%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2191, 74.1224, 79.2917 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 78.2191, 74.1224, 79.2917 by changing the saturation by 10% instead.




 78.2191, 74.1224,  
79.2917

 78.2191, 74.1224,  
79.2917


477.7390,  
474.8957, 512.1863

 58.5574, 54.8942,  
58.6129


129.8227,  
125.0693, 134.1718

 42.5019, 39.3170,  
41.8837


162.4952,  
157.5568, 169.2103

 29.6873, 27.0065,  
28.6853


200.2355,  
195.2329, 209.8723

 19.7483, 17.5781,  
18.5994


243.4087,  
238.4820, 256.5766

 12.3194, 10.6475,  
11.2073

292.3804,  
287.6884, 309.7416

 7.0353, 5.8303,  
6.0905

347.5157,

 3.5307, 2.7422,

343.2365, 369.7858

2.8305

409.1802,  
405.5108, 437.1279

■ 1.4402, 0.9987,  
1.0088

■ 0.2846, 0.0000,  
0.0000

■ 78.2191, 74.1224,  
79.2917

■ 78.2191, 74.1224,  
79.2917

■ 69.7742, 61.2783,  
64.0050

■ 87.9949, 89.1173,  
96.5987

■ 62.5972, 50.4771,  
50.6598

95.0500, 100.0000,  
108.9000

■ 56.6273, 41.6158,  
39.1785

■ 51.7964, 34.5787,  
29.4769

■ 48.0298, 29.2375,  
21.4637

■ 45.2433, 25.4472,  
15.0393

■ 43.3396, 23.0384,  
10.0930

■ 42.1990, 21.8000,  
6.4981

■ 41.9206, 21.5322,  
5.5139

# Harmonies

## Analogous

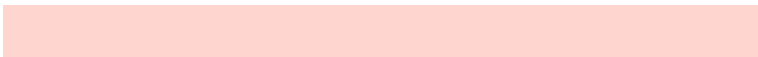
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4111, 74.1224, 90.5901



78.2191, 74.1224, 79.2917



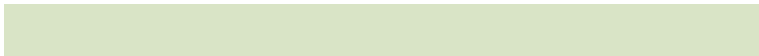
76.8831, 74.1224, 69.3182

# Triad

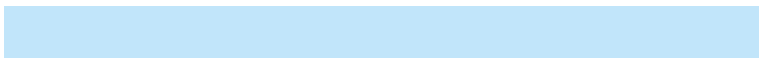
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2191, 74.1224, 79.2917



66.3534, 74.1224, 64.1085



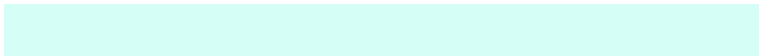
67.1840, 74.1224, 101.5981

# Complementary

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



78.2191, 74.1224, 79.2917



79.8375, 92.3211, 100.8043

# 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.



64.3882, 74.1224, 93.2789



78.2191, 74.1224, 79.2917



63.9213, 74.1224, 71.5697

# Square

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



78.2191, 74.1224, 79.2917



69.9553, 74.1224, 61.0793



63.2152, 74.1224, 82.1384



70.9493, 74.1224, 104.1439



# Rectangle

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



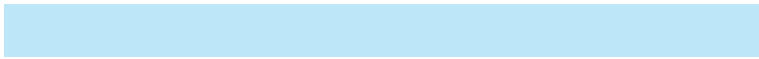
78.2191, 74.1224, 79.2917



74.9844, 74.1224, 64.5561



63.2152, 74.1224, 82.1384



66.1043, 74.1224, 99.3485

# Sweetspot

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



78.2208, 74.1255, 79.2932



89.5451, 91.5046, 99.3137



79.8172, 74.3865, 104.7589



19.0067, 19.3399, 20.9779



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

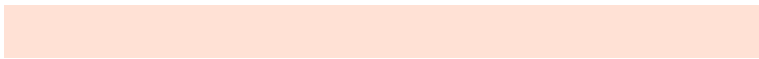
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2208, 74.1255, 79.2932



75.0889, 69.3482, 73.6672



80.1503, 79.8631, 74.1455



18.1686, 18.0507, 19.5049



21.9485, 11.2687, 3.1131



2.1751, 1.1124, 0.5034



# Inverse Universe

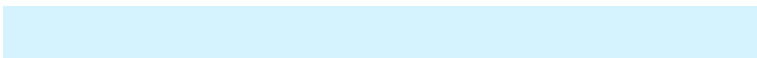
The Inverse Universe completely reimagines the original color for something new.



78.2208, 74.1255, 79.2932



75.0889, 69.3482, 73.6672



77.5733, 85.5291, 107.0280



18.1686, 18.0507, 19.5049



21.9485, 11.2687, 3.1131

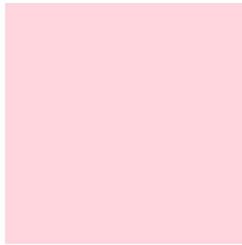


2.1751, 1.1124, 0.5034



# Previews

## White Background



This preview shows how the XYZ color 78.2191, 74.1224, 79.2917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

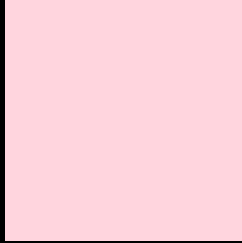
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2191, 74.1224, 79.2917 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 78.2191, 74.1224, 79.2917

## Background



This preview shows how black text looks on a background with the XYZ color 78.2191, 74.1224, 79.2917.



This preview shows how white text looks on a background with the XYZ color 78.2191, 74.1224,

79.2917.

# 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

78.2191, 74.1224, 79.2917

### Protanopia

71.6168, 74.4902, 83.2765

### Deuteranopia

75.6130, 73.9250, 78.6903



## Tritanopia

78.7871, 73.9484, 83.5197

# Trichromacy



## Original Color

78.2191, 74.1224, 79.2917

## Protanomaly

73.8472, 74.1038, 81.6455

## Deuteranomaly

76.4185, 73.9611, 78.6548

## Tritanomaly

78.5110, 73.8380, 82.0657

# Monochromacy



## Original Color

78.2191, 74.1224, 79.2917

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.6369, 75.6833, 81.9087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2191, 74.1224, 79.2917 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, 213, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 222)  
}
```

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, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2191, 74.1224, 79.2917 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, 213, 222) }
```



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

```
.border{ border-color:rgb(255, 213, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2191, 74.1224, 79.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 222) }
```

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

```
.background{ background-color: rgb(255,  
213, 222) }
```

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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