

# Converting Colors

XYZ(57.0876, 47.7430, 71.1829)

Have a look what the booklet for  
XYZ(57.0876, 47.7430, 71.1829)  
contains.

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# Color

**XYZ(57.0342, 47.6775,  
71.1624)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2A4D8
RGB	226, 164, 216
RGB Percent	89%, 64%, 85%
CMY	0.1137, 0.3568, 0.1529
CMYK	0.00, 0.27, 0.04, 0.11
HSL	310°, 52%, 76%
HSV	310°, 27%, 89%
XYZ	57.0342, 47.6775, 71.1624
YIQ	188.4660, 20.2600, 29.3160

# Conversions

## Conversions Part 2

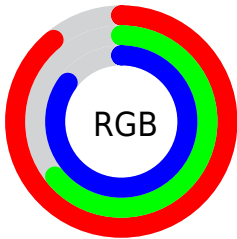
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 164, 216
Decimal	14853336
CIE Lab	74.62, 31.12, -17.32
CIE LCh	75, 35.618, 330.903
Yxy	47.6775, 0.3243, 0.2711
Android (android.graphics.Color)	4293043416 (0xFFE2A4D8)
YUV	188.4660, 13.5743, 32.9173
Hunter-Lab	69.0489, 26.6049, -12.7706

# Details

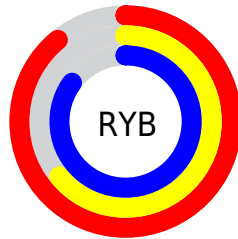
The XYZ color **57.0342, 47.6775, 71.1624** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.1482, 65.3428, 50.0165**, and the grayscale version is **47.9833, 50.4821, 54.9750**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **28.6950, 22.4881, 36.5465** is the 20% darker color. If you saturate the color by 10%, you get **52.8778, 40.1098, 67.4777**, and if you desaturate by 10%, it is **61.9227, 56.6909, 75.1438**.

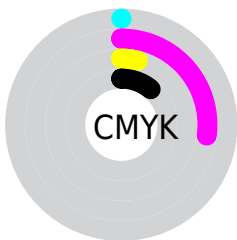
# Distribution



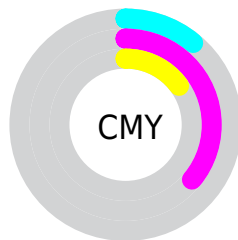
- Red (89%)
- Green (64%)
- Blue (85%)



- Red (89%)
- Yellow (64%)
- Blue (85%)



- Cyan (0%)
- Magenta (27%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (36%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0342, 47.6775, 71.1624 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 57.0342, 47.6775, 71.1624 by changing the saturation by 10% instead.



 57.0342, 47.6775,  
71.1624


 57.0342, 47.6775,  
71.1624


403.5896,  
377.5124, 483.5199

 41.2729, 33.5716,  
51.9921


 99.6462, 86.7240,  
122.5615

 28.7210, 22.5647,  
36.6166


 127.2276,  
112.4334, 155.6275

 19.0131, 14.2724,  
24.6173


159.4798,  
142.7794, 194.1623

 11.7838, 8.3104,  
15.5757

196.7681,  
178.1464, 238.5847

 6.6678, 4.2942,  
9.0734

239.4578,  
218.9188, 289.3131

 3.2997, 1.8394,  
4.6916

287.9144,

 1.3142, 0.5116,

265.4810, 346.7661

2.0119

342.5032,  
318.2174, 411.3622

■ 0.1938, 0.0000,  
0.5626

■ 0.0000, 0.0000,  
0.0000

■ 57.0342, 47.6775,  
71.1624

■ 57.0342, 47.6775,  
71.1624

■ 52.8778, 40.1098,  
67.4777

■ 61.9227, 56.6909,  
75.1438

■ 49.4108, 33.9053,  
64.0736

■ 67.5741, 67.2142,  
79.4308

■ 46.5933, 28.9830,  
60.9368

■ 74.0229, 79.3154,  
84.0360

■ 44.3789, 25.2507,  
58.0518

■ 81.3002, 93.0563,  
88.9698

42.7154, 22.6038,  
55.4006

82.0087, 93.6427,  
91.7669

41.5413, 20.9196,  
52.9625

82.5387, 93.8547,  
94.5578

40.7745, 20.0338,  
50.7097

83.0795, 94.0710,  
97.4057

40.6092, 19.8669,  
50.1497

83.6312, 94.2917,  
100.3111

84.1939, 94.5168,  
103.2743

# Harmonies

## Analogous

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



51.9856, 47.6775, 88.7231



57.0342, 47.6775, 71.1624



58.8757, 47.6775, 51.3554

# Triad

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



57.0342, 47.6775, 71.1624



45.1210, 47.6775, 23.8907



35.4897, 47.6775, 72.3646

# Complementary

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



57.0342, 47.6775, 71.1624



50.1482, 65.3428, 50.0165

# 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.



34.0167, 47.6775, 52.4740



57.0342, 47.6775, 71.1624



39.2428, 47.6775, 27.0198

# Square

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



57.0342, 47.6775, 71.1624



51.6157, 47.6775, 26.6595



35.3240, 47.6775, 36.4910



39.5510, 47.6775, 89.5251



# Rectangle

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



57.0342, 47.6775, 71.1624



57.9114, 47.6775, 40.2481



35.3240, 47.6775, 36.4910



34.6937, 47.6775, 65.6377

# Sweetspot

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



57.0357, 47.6796, 71.1634



88.3586, 87.4577, 104.0782



44.3050, 40.9628, 77.5241



18.6594, 18.2471, 22.0894



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.



57.0357, 47.6796, 71.1634



71.7155, 56.7055, 90.7185



53.4723, 46.2543, 52.3991



14.1951, 13.8957, 16.7974



23.2043, 11.3487, 28.8055



1.6341, 0.7969, 2.1322



# Inverse Universe

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



57.0357, 47.6796, 71.1634



71.7155, 56.7055, 90.7185



53.4431, 66.6608, 67.3674



14.1951, 13.8957, 16.7974



23.2043, 11.3487, 28.8055



1.6341, 0.7969, 2.1322



# Previews

## White Background



This preview shows how the XYZ color 57.0342, 47.6775, 71.1624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

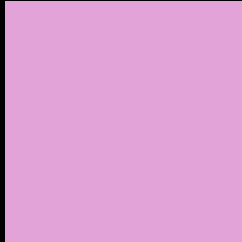
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0342, 47.6775, 71.1624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

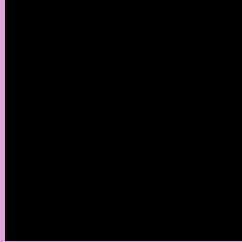
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.0342, 47.6775, 71.1624

## Background



This preview shows how black text looks on a background with the XYZ color 57.0342, 47.6775, 71.1624.



This preview shows how white text looks on a background with the XYZ color 57.0342, 47.6775,



# 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

57.0342, 47.6775, 71.1624

### Protanopia

47.9651, 47.9416, 80.1244

### Deuteranopia

48.8694, 47.7357, 69.5890



## Tritanopia

53.0462, 47.6979, 51.2105

# Trichromacy



## Original Color

57.0342, 47.6775, 71.1624



## Protanomaly

50.5227, 47.2482, 76.9780



## Deuteranomaly

51.6308, 47.6837, 70.1010



## Tritanomaly

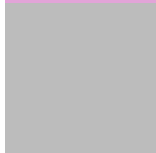
54.2844, 47.6334, 57.9628

# Monochromacy



## Original Color

57.0342, 47.6775, 71.1624



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

50.6703, 48.8740, 60.1891

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0342, 47.6775, 71.1624 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(226, 164, 216)` looks like.

```
.text, #text, p{  
    color:rgb(226, 164, 216)  
}
```

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(226, 164, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 164, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0342, 47.6775, 71.1624 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(226, 164, 216) }
```



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

```
.border{ border-color:rgb(226, 164, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 164, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(226, 164,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0342, 47.6775, 71.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 164, 216) }
```

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

```
.background{ background-color: rgb(226,  
164, 216) }
```

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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