

# Converting Colors

XYZ(49.4263, 35.8403, 67.0857)

Have a look what the booklet for  
XYZ(49.4263, 35.8403, 67.0857)  
contains.

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# Color

**XYZ(49.3757, 35.7203,  
67.2431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC81D5
RGB	220, 129, 213
RGB Percent	86%, 51%, 84%
CMY	0.1373, 0.4941, 0.1647
CMYK	0.00, 0.41, 0.03, 0.14
HSL	305°, 57%, 68%
HSV	305°, 41%, 86%
XYZ	49.3757, 35.7203, 67.2431
YIQ	165.7850, 27.2720, 45.4160

# Conversions

## Conversions Part 2

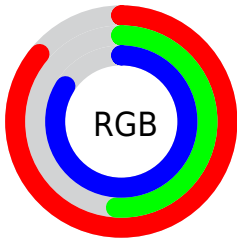
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">220, 129, 213</a>
Decimal	<a href="#">14451157</a>
CIELab	<a href="#">66.31, 47.17, -28.41</a>
CIElCh	<a href="#">66, 55.069, 328.941</a>
Yxy	<a href="#">35.7203, 0.3241, 0.2345</a>
Android (android.graphics.Color)	<a href="#">4292641237 (0xFFDC81D5)</a>
YUV	<a href="#">165.7850, 23.2770, 47.5466</a>
Hunter-Lab	<a href="#">59.7665, 42.8754, -24.8705</a>

# Details

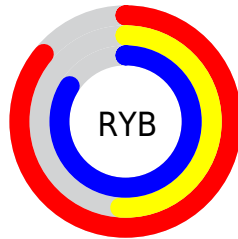
The XYZ color **49.3757, 35.7203, 67.2431** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.0920, 57.6323, 32.3585**, and the grayscale version is **36.0249, 37.9010, 41.2742**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **23.8603, 15.4240, 34.0673** is the 20% darker color. If you saturate the color by 10%, you get **46.5704, 30.4509, 65.2539**, and if you desaturate by 10%, it is **52.8094, 42.2414, 69.4535**.

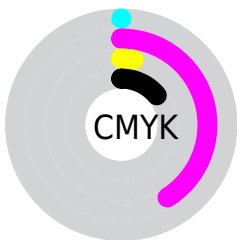
# Distribution



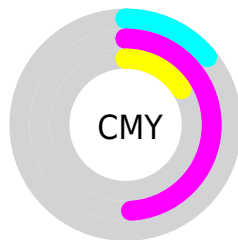
- Red (86%)
- Green (51%)
- Blue (84%)



- Red (86%)
- Yellow (51%)
- Blue (84%)



- Cyan (0%)
- Magenta (41%)
- Yellow (3%)
- Black (14%)




- Cyan (14%)
- Magenta (49%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3757, 35.7203, 67.2431 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 49.3757, 35.7203, 67.2431 by changing the saturation by 10% instead.





 49.3757, 35.7203,  
67.2431

 49.3757, 35.7203,  
67.2431


374.7120,  
327.7364, 469.3346

 35.1334, 24.2183,  
48.8194


 88.4466, 68.6001,  
116.9126

 23.9326, 15.4956,  
34.1116

 114.0058, 90.7467,  
148.9955

 15.4081, 9.1679,  
22.7013


 144.0681,  
117.2103, 186.4685

 9.1945, 4.8509,  
14.1699

178.9987,  
148.3752, 229.7502

 4.9264, 2.1600,  
8.0988

219.1630,  
184.6259, 279.2592

 2.2384, 0.6981,  
4.0696

264.9265,

 0.7629, 0.0000,

226.3467, 335.4138

1.6636

316.6543,  
273.9221, 398.6328

■ 0.0000, 0.0000,  
0.3356

■ 0.0000, 0.0000,  
0.0000

■ 49.3757, 35.7203,  
67.2431

■ 49.3757, 35.7203,  
67.2431

■ 46.5704, 30.4509,  
65.2539

■ 52.8094, 42.2414,  
69.4535

■ 44.3495, 26.3477,  
63.4702

■ 56.9048, 50.0830,  
71.8953


■ 42.6691, 23.3217,  
61.8776


■ 61.6971, 59.3147,  
74.5805


■ 41.4773, 21.2695,  
60.4589


■ 67.2179, 69.9997,  
77.5196


 40.7123, 20.0672,  
59.1933


 73.4968, 82.1975,  
80.7227

 40.3041, 19.5313,  
58.1931

 78.6159, 92.0720,  
83.5504

 78.8455, 92.1638,  
84.7595

 79.0774, 92.2566,  
85.9807

 79.3116, 92.3502,  
87.2139

# Harmonies

## Analogous

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



42.1910, 35.7203, 93.4987



49.3757, 35.7203, 67.2431



52.3391, 35.7203, 39.7360

# Triad

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



49.3757, 35.7203, 67.2431



34.2440, 35.7203, 8.9151



21.9095, 35.7203, 65.1772

# Complementary

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



49.3757, 35.7203, 67.2431



39.0920, 57.6323, 32.3585

# 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.



20.4698, 35.7203, 38.0627



49.3757, 35.7203, 67.2431



26.8605, 35.7203, 11.2018

# Square

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



49.3757, 35.7203, 67.2431



42.7786, 35.7203, 11.5706



22.1284, 35.7203, 19.8977



26.4300, 35.7203, 92.0054



# Rectangle

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



49.3757, 35.7203, 67.2431



51.2085, 35.7203, 25.9692



22.1284, 35.7203, 19.8977



21.0849, 35.7203, 55.5203

# Sweetspot

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



49.3769, 35.7219, 67.2438



85.6765, 81.8559, 103.9171



30.7726, 26.0262, 71.1126



18.1394, 17.1366, 22.1332



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.



49.3769, 35.7219, 67.2438



65.4048, 43.1725, 91.4252



44.4752, 33.7612, 41.4320



13.5689, 13.2567, 16.2571



23.6726, 11.4701, 34.2515



1.5468, 0.7483, 2.2882



# Inverse Universe

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



49.3769, 35.7219, 67.2438



65.4048, 43.1725, 91.4252



42.9440, 59.1731, 52.6431



13.5689, 13.2567, 16.2571



23.6726, 11.4701, 34.2515



1.5468, 0.7483, 2.2882



# Previews

## White Background



This preview shows how the XYZ color 49.3757, 35.7203, 67.2431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

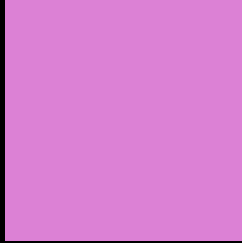
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.3757, 35.7203, 67.2431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

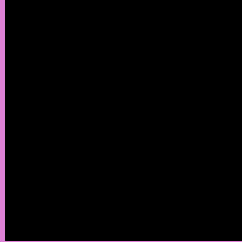
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.3757, 35.7203, 67.2431**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3757, 35.7203, 67.2431.



This preview shows how white text looks on a background with the XYZ color 49.3757, 35.7203,



# 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

49.3757, 35.7203, 67.2431

### Protanopia

37.6918, 36.0866, 84.3357

### Deuteranopia

36.9202, 36.1226, 64.7010



## Tritanopia

42.5741, 35.6430, 34.7729

# Trichromacy



## Original Color

49.3757, 35.7203, 67.2431



## Protanomaly

40.5298, 34.9967, 78.0177



## Deuteranomaly

40.3542, 35.1801, 65.6363



## Tritanomaly

44.7079, 35.4335, 45.0404

# Monochromacy



## Original Color

49.3757, 35.7203, 67.2431



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

40.1882, 36.6405, 49.7539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3757, 35.7203, 67.2431 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(220, 129, 213)` looks like.

```
.text, #text, p{  
    color:rgb(220, 129, 213)  
}
```

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(220, 129, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 129, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3757, 35.7203, 67.2431 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(220, 129, 213) }
```



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

```
.border{ border-color:rgb(220, 129, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 129, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 129, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 129, 213);  
box-shadow:4px 4px 4px 4px rgb(220, 129,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3757, 35.7203, 67.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 129, 213) }
```

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

```
.background{ background-color: rgb(220,  
129, 213) }
```

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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