

# Converting Colors

XYZ(47.1422, 35.7862, 49.7858)

Have a look what the booklet for  
XYZ(47.1422, 35.7862, 49.7858)  
contains.

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# Color

**XYZ(47.1635, 35.7653,  
49.7650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE85B8
RGB	222, 133, 184
RGB Percent	87%, 52%, 72%
CMY	0.1294, 0.4784, 0.2784
CMYK	0.00, 0.40, 0.17, 0.13
HSL	326°, 57%, 70%
HSV	326°, 40%, 87%
XYZ	47.1635, 35.7653, 49.7650
YIQ	165.4250, 36.6730, 34.7290

# Conversions

## Conversions Part 2

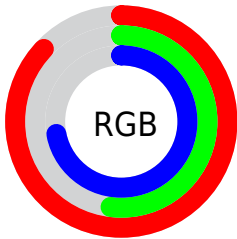
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 133, 184
Decimal	14583224
CIE <sub>Lab</sub>	66.34, 40.93, -12.09
CIE <sub>LCh</sub>	66, 42.680, 343.541
Yxy	35.7653, 0.3554, 0.2695
Android (android.graphics.Color)	4292773304 (0xFFDE85B8)
YUV	165.4250, 9.1575, 49.6163
Hunter-Lab	59.8041, 36.1139, -7.4743

# Details

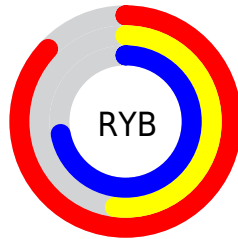
The XYZ color **47.1635, 35.7653, 49.7650** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.1464, 60.1705, 47.8708**, and the grayscale version is **35.9142, 37.7845, 41.1474**.

A 20% lighter version of the original color is **74.9514, 63.5177, 90.7479**, and **22.5562, 15.5229, 23.2801** is the 20% darker color. If you saturate the color by 10%, you get **43.4786, 29.9325, 43.7975**, and if you desaturate by 10%, it is **51.5593, 42.9126, 56.2988**.

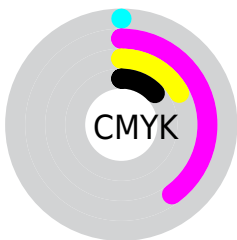
# Distribution



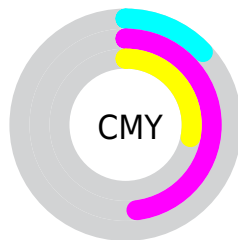
- Red (87%)
- Green (52%)
- Blue (72%)



- Red (87%)
- Yellow (52%)
- Blue (72%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)
- Black (13%)




- Cyan (13%)
- Magenta (48%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1635, 35.7653, 49.7650 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 47.1635, 35.7653, 49.7650 by changing the saturation by 10% instead.



 47.1635, 35.7653,  
49.7650

 47.1635, 35.7653,  
49.7650

366.1048,  
327.9336, 402.4549


 33.3734, 24.2530,  
34.8568

 85.1749, 68.6697,  
91.2193

 22.5733, 15.5214,  
23.2699


 110.1269, 90.8305,  
118.6025

 14.3977, 9.1861,  
14.5858


 139.5303,  
117.3096, 150.9812

 8.4813, 4.8628,  
8.3858

173.7503,  
148.4914, 188.7738

 4.4588, 2.1670,  
4.2515

213.1525,  
184.7604, 232.3990

 1.9648, 0.7019,  
1.7643

258.1020,

 0.6141, 0.0000,

226.5007, 282.2752

0.4043

308.9643,  
274.0970, 338.8210

■ 0.0000, 0.0000,  
0.0000

■ 47.1635, 35.7653,  
49.7650

■ 47.1635, 35.7653,  
49.7650

■ 43.4786, 29.9325,  
43.7975

■ 51.5593, 42.9126,  
56.2988

■ 40.4595, 25.3271,  
38.3737

■ 56.7015, 51.4443,  
63.4157

■ 38.0603, 21.8592,  
33.4722

■ 62.6266, 61.4315,  
71.1344

■ 36.2277, 19.4244,  
29.0683

■ 69.3680, 72.9386,  
79.4718

■ 34.8986, 17.8986,  
25.1340

■ 76.9568, 86.0266,  
88.4442

■ 33.9689, 17.0675,  
21.6542

■ 81.7432, 93.3932,  
96.8403

■ 83.1956, 93.9742,  
104.4887

■ 83.9345, 94.2697,  
108.3798

# Harmonies

## Analogous

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



43.1612, 35.7653, 70.3529



47.1635, 35.7653, 49.7650



47.3648, 35.7653, 31.2839

# Triad

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



47.1635, 35.7653, 49.7650



31.2025, 35.7653, 13.8042



25.8566, 35.7653, 68.4939

# Complementary

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



47.1635, 35.7653, 49.7650



43.1464, 60.1705, 47.8708

# 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.



23.4107, 35.7653, 47.7585



47.1635, 35.7653, 49.7650



26.2262, 35.7653, 18.6282

# Square

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



47.1635, 35.7653, 49.7650



37.5882, 35.7653, 14.0373



23.5369, 35.7653, 29.8149



30.6363, 35.7653, 83.2700



# Rectangle

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



47.1635, 35.7653, 49.7650



45.2742, 35.7653, 22.5811



23.5369, 35.7653, 29.8149



24.7625, 35.7653, 61.7508

# Sweetspot

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



47.1646, 35.7670, 49.7657



84.0204, 81.1934, 95.1961



38.1695, 30.6062, 73.0038



17.7481, 16.9801, 20.0726



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.



47.1646, 35.7670, 49.7657



60.3210, 42.2250, 61.3064



43.2775, 34.2122, 29.2969



14.0347, 13.8315, 15.9531



20.2334, 10.1604, 13.1608



1.4470, 0.7221, 1.1469



# Inverse Universe

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



47.1646, 35.7670, 49.7657



60.3210, 42.2250, 61.3064



48.0077, 62.1150, 73.4696



14.0347, 13.8315, 15.9531



20.2334, 10.1604, 13.1608

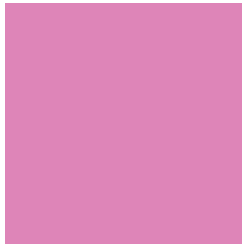


1.4470, 0.7221, 1.1469



# Previews

## White Background



This preview shows how the XYZ color 47.1635, 35.7653, 49.7650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

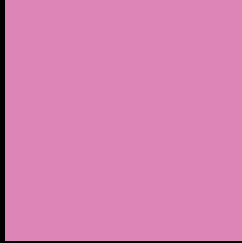
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1635, 35.7653, 49.7650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

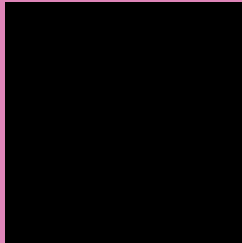
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.1635, 35.7653, 49.7650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1635, 35.7653, 49.7650.



This preview shows how white text looks on a background with the XYZ color 47.1635, 35.7653,



# 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

47.1635, 35.7653, 49.7650

### Protanopia

36.1804, 36.0813, 60.9346

### Deuteranopia

36.6574, 35.8442, 48.1666



## Tritanopia

43.6511, 35.5727, 33.4197

# Trichromacy



## Original Color

47.1635, 35.7653, 49.7650

## Protanomaly

38.8881, 35.0999, 56.3551

## Deuteranomaly

39.6694, 35.2074, 48.4210

## Tritanomaly

44.6807, 35.5600, 38.6913

# Monochromacy



## Original Color

47.1635, 35.7653, 49.7650

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

39.0873, 36.2001, 43.9569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1635, 35.7653, 49.7650 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(222, 133, 184)` looks like.

```
.text, #text, p{  
    color:rgb(222, 133, 184)  
}
```

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(222, 133, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 133, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1635, 35.7653, 49.7650 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(222, 133, 184) }
```



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

```
.border{ border-color:rgb(222, 133, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 133, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 133, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 133, 184);  
box-shadow:4px 4px 4px 4px rgb(222, 133,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1635, 35.7653, 49.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 133, 184) }
```

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

```
.background{ background-color: rgb(222,  
133, 184) }
```

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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