

# Converting Colors

XYZ(49.7448, 37.9350, 65.1743)

Have a look what the booklet for  
XYZ(49.7448, 37.9350, 65.1743)  
contains.

<b>XYZ(49.6547, 37.9741, 65.0342)</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(49.6547, 37.9741,  
65.0342)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA8BD1
RGB	218, 139, 209
RGB Percent	85%, 55%, 82%
CMY	0.1451, 0.4549, 0.1804
CMYK	0.00, 0.36, 0.04, 0.15
HSL	307°, 52%, 70%
HSV	307°, 36%, 85%
XYZ	49.6547, 37.9741, 65.0342
YIQ	170.6010, 24.6140, 38.5180

# Conversions

## Conversions Part 2

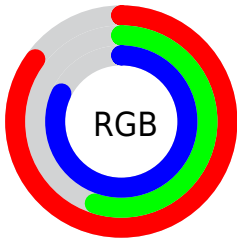
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 139, 209
Decimal	14322641
CIE <sub>Lab</sub>	68.00, 40.62, -23.60
CIE <sub>LCh</sub>	68, 46.979, 329.842
Y <sub>xy</sub>	37.9741, 0.3253, 0.2487
Android (android.graphics.Color)	4292512721 (0xFFDA8BD1)
YUV	170.6010, 18.9307, 41.5689
Hunter-Lab	61.6231, 35.9913, -19.4357

# Details

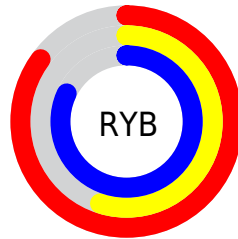
The XYZ color **49.6547, 37.9741, 65.0342** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0658, 57.7712, 37.0059**, and the grayscale version is **38.4093, 40.4096, 44.0061**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **24.1412, 16.8309, 32.5481** is the 20% darker color. If you saturate the color by 10%, you get **46.5025, 32.1574, 62.4783**, and if you desaturate by 10%, it is **53.4434, 45.0548, 67.8267**.

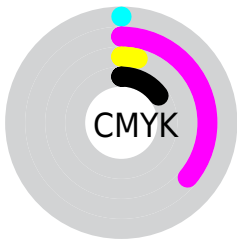
# Distribution



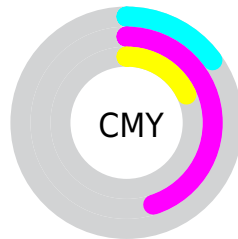
- Red (85%)
- Green (55%)
- Blue (82%)



- Red (85%)
- Yellow (55%)
- Blue (82%)



- Cyan (0%)
- Magenta (36%)
- Yellow (4%)
- Black (15%)




- Cyan (15%)
- Magenta (45%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6547, 37.9741, 65.0342 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 49.6547, 37.9741, 65.0342 by changing the saturation by 10% instead.





 49.6547, 37.9741,  
65.0342


 49.6547, 37.9741,  
65.0342


375.7884,  
337.5089, 461.2244


 35.3558, 25.9626,  
47.0373


 88.8579, 72.0684,  
113.7128

 24.1049, 16.7957,  
32.7106


 114.4930, 94.9201,  
145.2315

 15.5366, 10.0889,  
21.6355


 144.6374,  
122.1538, 182.0946

 9.2856, 5.4579,  
13.3936

179.6567,  
154.1542, 224.7206

 4.9865, 2.5184,  
7.5662

219.9160,  
191.3054, 273.5281

 2.2740, 0.8858,  
3.7349

265.7809,

 0.7813, 0.0000,

233.9920, 328.9355

1.4811

317.6165,  
282.5984, 391.3614

■ 0.0000, 0.0000,  
0.2038

■ 0.0000, 0.0000,  
0.0000

■ 49.6547, 37.9741,  
65.0342

■ 49.6547, 37.9741,  
65.0342

■ 46.5025, 32.1574,  
62.4783

■ 53.4434, 45.0548,  
67.8267

■ 43.9457, 27.5244,  
60.1441

■ 57.8996, 53.4634,  
70.8650

■ 41.9437, 23.9935,  
58.0182

■ 63.0564, 63.2656,  
74.1608

■ 40.4495, 21.4708,  
56.0850

■ 68.9439, 74.5213,  
77.7241

■ 39.4084, 19.8465,  
54.3260

■ 75.5902, 87.2868,  
81.5644

■ 38.7515, 18.9832,  
52.7182

■ 78.1154, 91.8022,  
84.0551

■ 38.5577, 18.7632,  
52.1369

■ 78.4546, 91.9379,  
85.8415

■ 78.7988, 92.0756,  
87.6539

■ 79.1479, 92.2153,  
89.4925

# Harmonies

## Analogous

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



43.5455, 37.9741, 86.9888



49.6547, 37.9741, 65.0342



52.0442, 37.9741, 41.4582

# Triad

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



49.6547, 37.9741, 65.0342



36.1319, 37.9741, 12.7517



25.2270, 37.9741, 64.7752

# Complementary

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



49.6547, 37.9741, 65.0342



41.0658, 57.7712, 37.0059

# 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.



23.7880, 37.9741, 41.2367



49.6547, 37.9741, 65.0342



29.5438, 37.9741, 15.3454

# Square

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



49.6547, 37.9741, 65.0342



43.6214, 37.9741, 15.4026



25.2574, 37.9741, 24.2486



29.4852, 37.9741, 86.8071



# Rectangle

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



49.6547, 37.9741, 65.0342



50.9869, 37.9741, 29.1384



25.2574, 37.9741, 24.2486



24.4253, 37.9741, 56.5637

# Sweetspot

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



49.6559, 37.9758, 65.0350



86.2351, 83.1867, 103.4443



33.9039, 29.7229, 70.2808



18.2442, 17.3994, 22.0043



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.



49.6559, 37.9758, 65.0350



67.5222, 48.0592, 90.1216



45.4601, 36.2975, 42.9403



13.5471, 13.2480, 16.1425



23.1252, 11.2511, 31.3692



1.5167, 0.7363, 2.1300



# Inverse Universe

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



49.6559, 37.9758, 65.0350



67.5222, 48.0592, 90.1216



44.6259, 59.1952, 55.7530



13.5471, 13.2480, 16.1425



23.1252, 11.2511, 31.3692

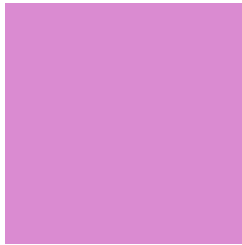


1.5167, 0.7363, 2.1300



# Previews

## White Background



This preview shows how the XYZ color 49.6547, 37.9741, 65.0342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

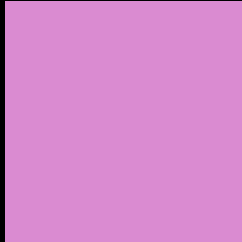
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6547, 37.9741, 65.0342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

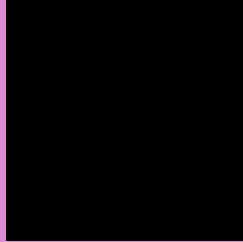
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6547, 37.9741, 65.0342**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6547, 37.9741, 65.0342.



This preview shows how white text looks on a background with the XYZ color 49.6547, 37.9741,



# 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

49.6547, 37.9741, 65.0342

### Protanopia

39.1732, 38.3000, 78.0010

### Deuteranopia

39.2209, 38.3887, 63.1002



## Tritanopia

44.2440, 38.0300, 38.2663

# Trichromacy



## Original Color

49.6547, 37.9741, 65.0342



## Protanomaly

41.8732, 37.4942, 72.7403



## Deuteranomaly

42.2246, 37.6347, 63.4313



## Tritanomaly

45.8928, 37.7613, 46.9893

# Monochromacy



## Original Color

49.6547, 37.9741, 65.0342



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

41.8941, 38.9904, 51.2168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6547, 37.9741, 65.0342 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(218, 139, 209)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 209)  
}
```

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(218, 139, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6547, 37.9741, 65.0342 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(218, 139, 209) }
```



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

```
.border{ border-color:rgb(218, 139, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 139, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 139, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 139, 209);  
box-shadow:4px 4px 4px 4px rgb(218, 139,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6547, 37.9741, 65.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 209) }
```

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

```
.background{ background-color: rgb(218,  
139, 209) }
```

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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