

# Converting Colors

XYZ(49.1342, 39.7572, 53.2284)

Have a look what the booklet for  
XYZ(49.1342, 39.7572, 53.2284)  
contains.

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# Color

**XYZ(49.1342, 39.7572,  
53.2284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC93BD
RGB	220, 147, 189
RGB Percent	86%, 58%, 74%
CMY	0.1373, 0.4235, 0.2588
CMYK	0.00, 0.33, 0.14, 0.14
HSL	325°, 51%, 72%
HSV	325°, 33%, 86%
XYZ	49.1342, 39.7572, 53.2284
YIQ	173.6150, 30.0260, 28.5380

# Conversions

## Conversions Part 2

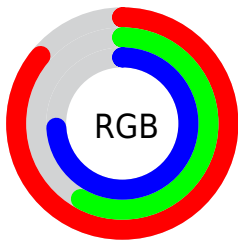
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 147, 189
Decimal	14455741
CIE <sub>Lab</sub>	69.30, 33.63, -10.49
CIE <sub>LCh</sub>	69, 35.226, 342.675
Yxy	39.7572, 0.3457, 0.2797
Android (android.graphics.Color)	4292645821 (0xFFDC93BD)
YUV	173.6150, 7.5848, 40.6796
Hunter-Lab	63.0533, 28.7526, -5.9142

# Details

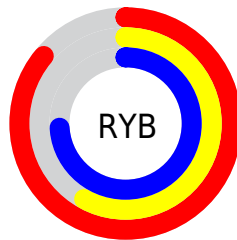
The XYZ color **49.1342, 39.7572, 53.2284** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.6634, 60.6048, 51.4133**, and the grayscale version is **39.9873, 42.0698, 45.8140**.

A 20% lighter version of the original color is **78.8420, 70.0936, 95.7602**, and **23.8460, 17.8545, 25.4820** is the 20% darker color. If you saturate the color by 10%, you get **45.0531, 33.1657, 47.0246**, and if you desaturate by 10%, it is **53.9372, 47.6868, 59.9960**.

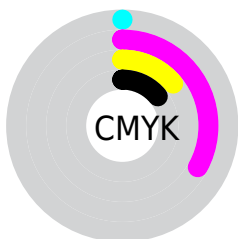
# Distribution



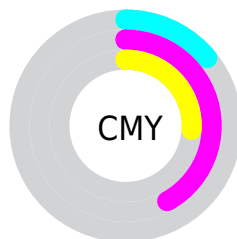
- Red (86%)
- Green (58%)
- Blue (74%)



- Red (86%)
- Yellow (58%)
- Blue (74%)



- Cyan (0%)
- Magenta (33%)
- Yellow (14%)
- Black (14%)




- Cyan (14%)
- Magenta (42%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1342, 39.7572, 53.2284 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 49.1342, 39.7572, 53.2284 by changing the saturation by 10% instead.





 49.1342, 39.7572,  
53.2284


 49.1342, 39.7572,  
53.2284


373.7786,  
345.0991, 416.2519

 34.9409, 27.3493,  
37.5962


 88.0903, 74.7936,  
96.3853

 23.7837, 17.8357,  
25.3700


 113.5838, 98.1910,  
124.7471

 15.2971, 10.8321,  
16.1314

143.5747,  
126.0202, 158.1891

 9.1158, 5.9541,  
9.4618

178.4284,  
158.6658, 197.1299

 4.8745, 2.8172,  
4.9427

218.5104,  
196.5121, 241.9881

 2.2078, 1.0370,  
2.1555

264.1858,

 0.7469, 0.0000,

239.9435, 293.1821

0.6485

315.8201,  
289.3444, 351.1305

■ 0.0000, 0.0000,  
0.0000

■ 49.1342, 39.7572,  
53.2284

■ 49.1342, 39.7572,  
53.2284

■ 45.0531, 33.1657,  
47.0246

■ 53.9372, 47.6868,  
59.9960

■ 41.6517, 27.8315,  
41.3634

■ 59.4941, 57.0184,  
67.3428

■ 38.8888, 23.6736,  
36.2251


■ 65.8393, 67.8184,  
75.2862


■ 36.7168, 20.5991,  
31.5875


■ 73.0041, 80.1471,  
83.8424


■ 35.0811, 18.5008,  
27.4259

■ 80.3745, 92.7754,  
92.8120

 33.9160, 17.2494,  
23.7115

 81.7658, 93.3319,  
100.1388

 33.3182, 16.7369,  
21.4067

 83.2293, 93.9173,  
107.8450

 83.3254, 93.9557,  
108.3513

# Harmonies

## Analogous

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



45.6390, 39.7572, 70.4227



49.1342, 39.7572, 53.2284



49.4064, 39.7572, 36.8156

# Triad

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



49.1342, 39.7572, 53.2284



35.4544, 39.7572, 19.4799



30.3518, 39.7572, 67.9833

# Complementary

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



49.1342, 39.7572, 53.2284



45.6634, 60.6048, 51.4133

# 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.



28.1508, 39.7572, 50.4796



49.1342, 39.7572, 53.2284



30.8933, 39.7572, 24.2099

# Square

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



49.1342, 39.7572, 53.2284



41.1156, 39.7572, 19.8659



28.3386, 39.7572, 34.6707



34.6450, 39.7572, 80.2924



# Rectangle

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



49.1342, 39.7572, 53.2284



47.6879, 39.7572, 28.5730



28.3386, 39.7572, 34.6707



29.3629, 39.7572, 62.3482

# Sweetspot

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



49.1354, 39.7590, 53.2292



85.7529, 84.1178, 97.4405



41.5802, 35.4330, 72.3583



18.0947, 17.5636, 20.5263



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.



49.1354, 39.7590, 53.2292



64.4749, 48.7799, 68.0949



45.7070, 38.3877, 35.1758



13.3685, 13.1765, 15.2015



19.6108, 9.8454, 12.8626



1.3133, 0.6549, 1.0585



# Inverse Universe

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



49.1354, 39.7590, 53.2292



64.4749, 48.7799, 68.0949



49.7541, 62.2411, 72.9547



13.3685, 13.1765, 15.2015



19.6108, 9.8454, 12.8626



1.3133, 0.6549, 1.0585



# Previews

## White Background



This preview shows how the XYZ color 49.1342, 39.7572, 53.2284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

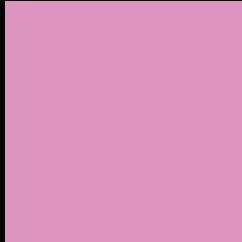
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1342, 39.7572, 53.2284 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 49.1342, 39.7572, 53.2284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1342, 39.7572, 53.2284.



This preview shows how white text looks on a background with the XYZ color 49.1342, 39.7572,



# 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

49.1342, 39.7572, 53.2284

### Protanopia

39.6824, 39.9984, 62.1289

### Deuteranopia

40.9085, 40.0391, 52.0266



## Tritanopia

46.4544, 39.8525, 39.8942

# Trichromacy



## Original Color

49.1342, 39.7572, 53.2284



## Protanomaly

42.2923, 39.2861, 58.7800



## Deuteranomaly

43.4446, 39.5109, 52.3503



## Tritanomaly

47.2662, 39.6967, 44.2008

# Monochromacy



## Original Color

49.1342, 39.7572, 53.2284



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

42.8980, 40.8820, 48.2779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1342, 39.7572, 53.2284 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, 147, 189)` looks like.

```
.text, #text, p{  
    color:rgb(220, 147, 189)  
}
```

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, 147, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 147, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1342, 39.7572, 53.2284 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, 147, 189) }
```



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

```
.border{ border-color:rgb(220, 147, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 147, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 147, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 147, 189); box-shadow:4px 4px 4px 4px rgb(220, 147, 189) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1342, 39.7572, 53.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 147, 189) }
```

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

```
.background{ background-color: rgb(220,  
147, 189) }
```

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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