

# Converting Colors

XYZ(49.6245, 42.6465, 60.5225)

Have a look what the booklet for  
XYZ(49.6245, 42.6465, 60.5225)  
contains.

<b>XYZ(49.5162, 42.4727, 60.2319)</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(49.5162, 42.4727,  
60.2319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D39EC8
RGB	211, 158, 200
RGB Percent	83%, 62%, 78%
CMY	0.1725, 0.3804, 0.2157
CMYK	0.00, 0.25, 0.05, 0.17
HSL	312°, 38%, 72%
HSV	312°, 25%, 83%
XYZ	49.5162, 42.4727, 60.2319
YIQ	178.6350, 18.1060, 24.2980

# Conversions

## Conversions Part 2

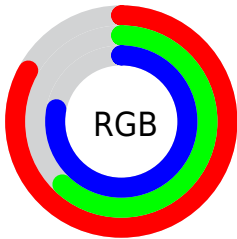
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 158, 200
Decimal	13868744
CIE <sub>Lab</sub>	71.20, 26.48, -13.84
CIE <sub>LCh</sub>	71, 29.878, 332.400
Yxy	42.4727, 0.3253, 0.2790
Android (android.graphics.Color)	4292058824 (0xFFD39EC8)
YUV	178.6350, 10.5329, 28.3841
Hunter-Lab	65.1711, 21.5727, -9.1768

# Details

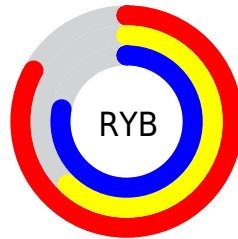
The XYZ color **49.5162, 42.4727, 60.2319** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.5580, 56.7236, 46.1389**, and the grayscale version is **42.5937, 44.8118, 48.8001**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **24.0526, 19.4513, 29.6809** is the 20% darker color. If you saturate the color by 10%, you get **45.7172, 35.6816, 56.4766**, and if you desaturate by 10%, it is **53.9503, 50.5092, 64.2722**.

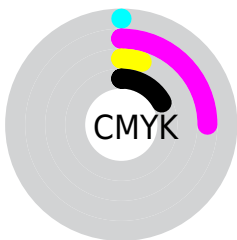
# Distribution



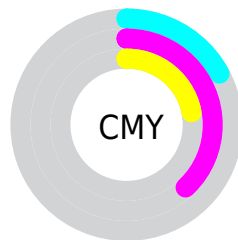
- Red (83%)
- Green (62%)
- Blue (78%)



- Red (83%)
- Yellow (62%)
- Blue (78%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (17%)




- Cyan (17%)
- Magenta (38%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5162, 42.4727, 60.2319 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 49.5162, 42.4727, 60.2319 by changing the saturation by 10% instead.





 49.5162, 42.4727,  
60.2319


 49.5162, 42.4727,  
60.2319


375.2543,  
356.4387, 443.2804

 35.2454, 29.4716,  
43.1791


 88.6538, 78.9145,  
106.7127

 24.0193, 19.4379,  
29.6932

 114.2512,  
103.1241, 136.9777

 15.4728, 11.9871,  
19.3558


144.3549,  
131.8385, 172.4838

 9.2403, 6.7349,  
11.7482

179.3301,  
165.4423, 213.6496

 4.9566, 3.2969,  
6.4520

219.5424,  
204.3199, 260.8936

 2.2563, 1.2886,  
3.0486

265.3569,

 0.7722, 0.1324,

248.8555, 314.6344

1.1195

317.1391,  
299.4337, 375.2905

■ 0.0000, 0.0000,  
0.0000

■ 49.5162, 42.4727,  
60.2319

■ 49.5162, 42.4727,  
60.2319

■ 45.7172, 35.6816,  
56.4766

■ 53.9503, 50.5092,  
64.2722

■ 42.5178, 30.0671,  
52.9924

■ 59.0451, 59.8442,  
68.6053

■ 39.8849, 25.5623,  
49.7682

■ 64.8295, 70.5345,  
73.2417

■ 37.7803, 22.0913,  
46.7906

■ 71.3294, 82.6317,  
78.1907

■ 36.1612, 19.5688,  
44.0448

■ 75.7957, 90.6376,  
82.5366

■ 34.9780, 17.8955,  
41.5136

■ 76.3902, 90.8754,  
85.6670

■ 34.1699, 16.9503,  
39.1761

■ 77.0000, 91.1193,  
88.8783

■ 33.8584, 16.6467,  
38.0871

■ 77.6253, 91.3695,  
92.1712

■ 78.2662, 91.6258,  
95.5461

# Harmonies

## Analogous

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



45.7506, 42.4727, 73.6506



49.5162, 42.4727, 60.2319



50.7723, 42.4727, 45.1003

# Triad

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



49.5162, 42.4727, 60.2319



39.9671, 42.4727, 23.8053



32.7737, 42.4727, 62.6490

# Complementary

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



49.5162, 42.4727, 60.2319



44.5580, 56.7236, 46.1389

# 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.



31.4937, 42.4727, 47.4100



49.5162, 42.4727, 60.2319



35.4269, 42.4727, 26.6533

# Square

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



49.5162, 42.4727, 60.2319



44.9957, 42.4727, 25.8615



32.4240, 42.4727, 34.6115



36.0709, 42.4727, 75.2368



# Rectangle

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



49.5162, 42.4727, 60.2319



49.9403, 42.4727, 36.5140



32.4240, 42.4727, 34.6115



32.1061, 42.4727, 57.5686

# Sweetspot

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



49.5175, 42.4746, 60.2328



88.2096, 87.3981, 103.2936



40.2631, 37.5498, 66.7547



18.6216, 18.2320, 21.8907



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.



49.5175, 42.4746, 60.2328



72.8580, 59.5393, 89.4075



46.7226, 41.3566, 45.5153



12.2013, 11.9653, 14.3358



20.4714, 10.0614, 23.1864



1.1717, 0.5734, 1.4391



# Inverse Universe

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



49.5175, 42.4746, 60.2328



72.8580, 59.5393, 89.4075



47.2580, 57.8036, 60.3569



12.2013, 11.9653, 14.3358



20.4714, 10.0614, 23.1864

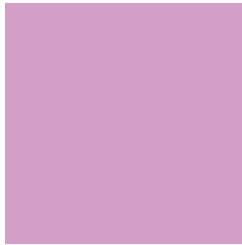


1.1717, 0.5734, 1.4391



# Previews

## White Background



This preview shows how the XYZ color 49.5162, 42.4727, 60.2319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

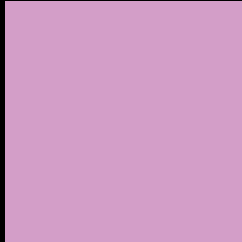
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5162, 42.4727, 60.2319 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 49.5162, 42.4727, 60.2319**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5162, 42.4727, 60.2319.



This preview shows how white text looks on a background with the XYZ color 49.5162, 42.4727,



# 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

49.5162, 42.4727, 60.2319

### Protanopia

42.5128, 42.7558, 66.9848

### Deuteranopia

43.6238, 42.6504, 59.3592



## Tritanopia

46.6706, 42.3457, 46.2712

# Trichromacy



## Original Color

49.5162, 42.4727, 60.2319

## Protanomaly

44.6716, 42.5288, 64.2469

## Deuteranomaly

45.6832, 42.6024, 59.8482

## Tritanomaly

47.6911, 42.5057, 51.0382

# Monochromacy



## Original Color

49.5162, 42.4727, 60.2319

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

45.0184, 43.7900, 53.0933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5162, 42.4727, 60.2319 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(211, 158, 200)` looks like.

```
.text, #text, p{  
    color:rgb(211, 158, 200)  
}
```

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(211, 158, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 158, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5162, 42.4727, 60.2319 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(211, 158, 200) }
```



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

```
.border{ border-color:rgb(211, 158, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 158, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 158, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 158, 200);  
box-shadow:4px 4px 4px 4px rgb(211, 158,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5162, 42.4727, 60.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 158, 200) }
```

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

```
.background{ background-color: rgb(211,  
158, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor