

# Converting Colors

XYZ(49.5160, 42.1861, 63.9376)

Have a look what the booklet for  
XYZ(49.5160, 42.1861, 63.9376)  
contains.

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# Color

**XYZ(49.4920, 42.1255,  
63.9150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D19DCE
RGB	209, 157, 206
RGB Percent	82%, 62%, 81%
CMY	0.1804, 0.3843, 0.1922
CMYK	0.00, 0.25, 0.01, 0.18
HSL	303°, 36%, 72%
HSV	303°, 25%, 82%
XYZ	49.4920, 42.1255, 63.9150
YIQ	178.1340, 15.2630, 26.2630

# Conversions

## Conversions Part 2

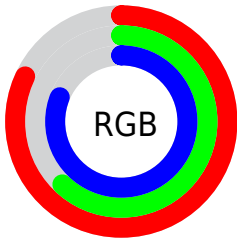
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">209, 157, 206</a>
Decimal	<a href="#">13737422</a>
CIELab	<a href="#">70.96, 27.44, -17.53</a>
CIELCh	<a href="#">71, 32.563, 327.422</a>
Yxy	<a href="#">42.1255, 0.3182, 0.2708</a>
Android (android.graphics.Color)	<a href="#">4291927502</a> ( <a href="#">0xFFD19DCE</a> )
YUV	<a href="#">178.1340, 13.7379, 27.0695</a>
Hunter-Lab	<a href="#">64.9042, 22.5311, -12.9535</a>

# Details

The XYZ color **49.4920, 42.1255, 63.9150** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.0519, 55.3083, 41.6665**, and the grayscale version is **42.3128, 44.5164, 48.4784**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **24.0455, 19.2402, 32.1522** is the 20% darker color. If you saturate the color by 10%, you get **46.1084, 35.5912, 62.0675**, and if you desaturate by 10%, it is **53.4841, 49.8736, 65.9718**.

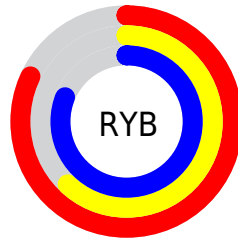
# Distribution



Red (82%)

Green (62%)

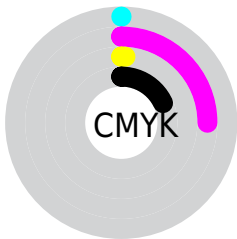
Blue (81%)



Red (82%)

Yellow (62%)

Blue (81%)

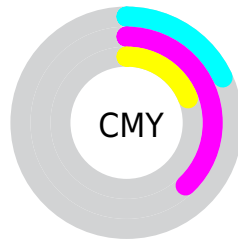


Cyan (0%)

Magenta (25%)

Yellow (1%)

Black (18%)



Cyan (18%)

Magenta (38%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4920, 42.1255, 63.9150 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 49.4920, 42.1255, 63.9150 by changing the saturation by 10% instead.





 49.4920, 42.1255,  
63.9150


 49.4920, 42.1255,  
63.9150


375.1609,  
355.0029, 457.0817

 35.2261, 29.1996,  
46.1361

 88.6181, 78.3895,  
112.0868

 24.0044, 19.2318,  
32.0038


 114.2089,  
102.4964, 143.3168

 15.4616, 11.8379,  
21.0995


144.3055,  
131.0991, 179.8675

 9.2324, 6.6334,  
13.0048

179.2731,  
164.5819, 222.1576

 4.9514, 3.2339,  
7.3011

219.4770,  
203.3293, 270.6055

 2.2532, 1.2550,  
3.5698

265.2828,

 0.7706, 0.1060,

247.7257, 325.6298

1.3925

317.0556,  
298.1554, 387.6490

■ 0.0000, 0.0000,  
0.1358

■ 0.0000, 0.0000,  
0.0000

■ 49.4920, 42.1255,  
63.9150

■ 49.4920, 42.1255,  
63.9150

■ 46.1084, 35.5912,  
62.0675

■ 53.4841, 49.8736,  
65.9718

■ 43.2987, 30.2036,  
60.4164

■ 58.1095, 58.8871,  
68.2448

■ 41.0307, 25.8976,  
58.9514

■ 63.3961, 69.2214,  
70.7438

■ 39.2675, 22.5993,  
57.6601

■ 69.3693, 80.9270,  
73.4772

37.9674, 20.2255,  
56.5287

73.9423, 89.8305,  
75.7494

37.0823, 18.6799,  
55.5412

74.0951, 89.8916,  
76.5539

36.5534, 17.8450,  
54.6778

74.2490, 89.9532,  
77.3644

36.3662, 17.5840,  
54.2656

74.4041, 90.0152,  
78.1809

74.5603, 90.0776,  
79.0034

# Harmonies

## Analogous

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



45.0398, 42.1255, 77.8388



49.4920, 42.1255, 63.9150



51.3948, 42.1255, 47.2250

# Triad

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



49.4920, 42.1255, 63.9150



40.5102, 42.1255, 22.0209



31.4721, 42.1255, 61.0540

# Complementary

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



49.4920, 42.1255, 63.9150



43.0519, 55.3083, 41.6665

# 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.



30.4927, 42.1255, 44.5363



49.4920, 42.1255, 63.9150



35.4228, 42.1255, 24.1250

# Square

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



49.4920, 42.1255, 63.9150



45.9249, 42.1255, 25.0115



31.8736, 42.1255, 31.5839



34.6788, 42.1255, 75.9418



# Rectangle

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



49.4920, 42.1255, 63.9150



50.8439, 42.1255, 37.4886



31.8736, 42.1255, 31.5839



30.8848, 42.1255, 55.4102

# Sweetspot

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



49.4933, 42.1273, 63.9159



89.4522, 89.0691, 106.2182



37.9849, 36.1520, 65.2983



19.0484, 18.8731, 22.6873



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.



49.4933, 42.1273, 63.9159



74.6074, 60.2391, 98.6200



46.6320, 40.9828, 48.8484



12.2801, 11.9968, 14.7509



22.4348, 10.8468, 33.5254



1.2636, 0.6102, 1.9228



# Inverse Universe

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



49.4933, 42.1273, 63.9159



74.6074, 60.2391, 98.6200



45.5271, 56.2984, 54.7004



12.2801, 11.9968, 14.7509



22.4348, 10.8468, 33.5254

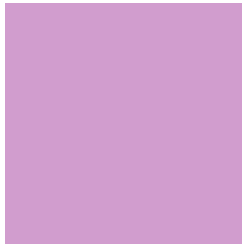


1.2636, 0.6102, 1.9228



# Previews

## White Background



This preview shows how the XYZ color 49.4920, 42.1255, 63.9150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

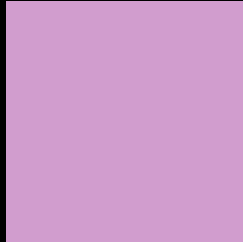
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4920, 42.1255, 63.9150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

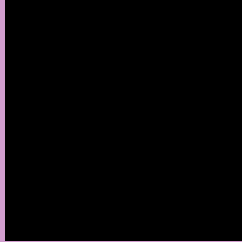
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 49.4920, 42.1255, 63.9150

## Background



This preview shows how black text looks on a background with the XYZ color 49.4920, 42.1255, 63.9150.



This preview shows how white text looks on a background with the XYZ color 49.4920, 42.1255,



# 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

49.4920, 42.1255, 63.9150

### Protanopia

42.2515, 42.2494, 70.8938

### Deuteranopia

43.4053, 42.4562, 63.0339



## Tritanopia

46.0119, 42.2687, 46.2910

# Trichromacy



## Original Color

49.4920, 42.1255, 63.9150

## Protanomaly

44.5248, 42.0942, 68.0656

## Deuteranomaly

45.4608, 42.1369, 63.4948

## Tritanomaly

47.0614, 42.1567, 52.1110

# Monochromacy



## Original Color

49.4920, 42.1255, 63.9150

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.4381, 43.1991, 53.5731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4920, 42.1255, 63.9150 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(209, 157, 206)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 206)  
}
```

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(209, 157, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4920, 42.1255, 63.9150 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(209, 157, 206) }
```



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

```
.border{ border-color:rgb(209, 157, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 157, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 206);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4920, 42.1255, 63.9150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 206) }
```

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

```
.background{ background-color: rgb(209,  
157, 206) }
```

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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