

# Converting Colors

XYZ(49.2302, 38.5703, 65.9013)

Have a look what the booklet for  
XYZ(49.2302, 38.5703, 65.9013)  
contains.

<b>XYZ(49.1869, 38.5942, 65.8298)</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(49.1869, 38.5942,  
65.8298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D68FD2
RGB	214, 143, 210
RGB Percent	84%, 56%, 82%
CMY	0.1608, 0.4392, 0.1765
CMYK	0.00, 0.33, 0.02, 0.16
HSL	303°, 46%, 70%
HSV	303°, 33%, 84%
XYZ	49.1869, 38.5942, 65.8298
YIQ	171.8670, 20.8090, 35.8890

# Conversions

## Conversions Part 2

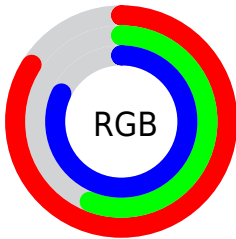
Format	Color
R <sub>Y</sub> B	214, 143, 210
Decimal	14061522
CIE Lab	68.46, 37.39, -23.50
CIE LCh	68, 44.164, 327.850
Yxy	38.5942, 0.3202, 0.2512
Android (android.graphics.Color)	4292251602 (0xFFD68FD2)
YUV	171.8670, 18.7996, 36.9506
Hunter-Lab	62.1242, 32.6101, -19.3396

# Details

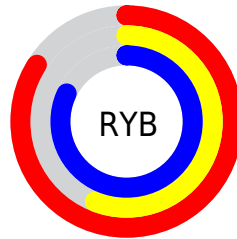
The XYZ color **49.1869, 38.5942, 65.8298** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.6423, 56.0407, 36.2808**, and the grayscale version is **39.0471, 41.0806, 44.7368**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **23.7580, 17.1178, 33.0622** is the 20% darker color. If you saturate the color by 10%, you get **46.1263, 32.7118, 64.0715**, and if you desaturate by 10%, it is **52.8638, 45.7060, 67.7999**.

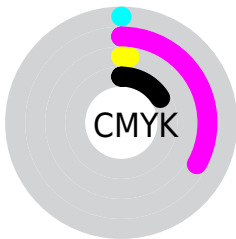
# Distribution



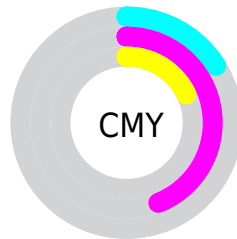
- Red (84%)
- Green (56%)
- Blue (82%)



- Red (84%)
- Yellow (56%)
- Blue (82%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (16%)




- Cyan (16%)
- Magenta (44%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1869, 38.5942, 65.8298 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 49.1869, 38.5942, 65.8298 by changing the saturation by 10% instead.





 49.1869, 38.5942,  
65.8298


 49.1869, 38.5942,  
65.8298


373.9824,  
340.1621, 464.1555

 34.9829, 26.4442,  
47.6786


 88.1680, 73.0180,  
114.8667

 23.8162, 17.1562,  
33.2143


 113.6759, 96.0605,  
146.5895

 15.3213, 10.3459,  
22.0182


143.6824,  
123.5027, 183.6733

 9.1330, 5.6289,  
13.6718

178.5529,  
155.7290, 226.5366

 4.8858, 2.6208,  
7.7566

218.6529,  
193.1236, 275.5979

 2.2145, 0.9371,  
3.8541

264.3475,

 0.7504, 0.0000,

236.0711, 331.2758

1.5456

316.0022,  
284.9558, 393.9888

■ 0.0000, 0.0000,  
0.2516

■ 0.0000, 0.0000,  
0.0000

■ 49.1869, 38.5942,  
65.8298

■ 49.1869, 38.5942,  
65.8298

■ 46.1263, 32.7118,  
64.0715

■ 52.8638, 45.7060,  
67.7999

■ 43.6435, 27.9839,  
62.5110


■ 57.1856, 54.1064,  
69.9902


■ 41.7011, 24.3350,  
61.1362


■ 62.1835, 63.8571,  
72.4114


■ 40.2561, 21.6791,  
59.9327


■ 67.8854, 75.0141,  
75.0729


 39.2587, 19.9166,  
58.8840


 74.3179, 87.6304,  
77.9836


 38.6488, 18.9276,  
57.9700

 76.0471, 90.8384,  
79.3322

 38.3859, 18.5579,  
57.4005

 76.2048, 90.9015,  
80.1626

 76.3636, 90.9650,  
80.9990

 76.5236, 91.0290,  
81.8415

# Harmonies

## Analogous

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



43.2796, 38.5942, 85.7057



49.1869, 38.5942, 65.8298



51.7067, 38.5942, 43.4735

# Triad

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



49.1869, 38.5942, 65.8298



37.1858, 38.5942, 14.2243



26.0992, 38.5942, 62.5347

# Complementary

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



49.1869, 38.5942, 65.8298



40.6423, 56.0407, 36.2808

# 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.



24.8933, 38.5942, 40.6042



49.1869, 38.5942, 65.8298



30.7926, 38.5942, 16.4710

# Square

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



49.1869, 38.5942, 65.8298



44.2556, 38.5942, 17.2514



26.5004, 38.5942, 24.7830



30.0269, 38.5942, 83.4192



# Rectangle

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



49.1869, 38.5942, 65.8298



50.9147, 38.5942, 31.3583



26.5004, 38.5942, 24.7830



25.3855, 38.5942, 54.8659

# Sweetspot

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



49.1881, 38.5959, 65.8306



87.2174, 84.7035, 105.1521



33.9139, 30.6634, 67.7505



18.4505, 17.7059, 22.4003



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.



49.1881, 38.5959, 65.8306



69.7695, 50.8978, 95.9762



45.2884, 37.0360, 45.2951



12.9214, 12.6201, 15.5263



23.2146, 11.2222, 34.7639



1.4096, 0.6806, 2.1464



# Inverse Universe

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



49.1881, 38.5959, 65.8306



69.7695, 50.8978, 95.9762



43.8244, 57.3135, 53.0375



12.9214, 12.6201, 15.5263



23.2146, 11.2222, 34.7639



1.4096, 0.6806, 2.1464



# Previews

## White Background



This preview shows how the XYZ color 49.1869, 38.5942, 65.8298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

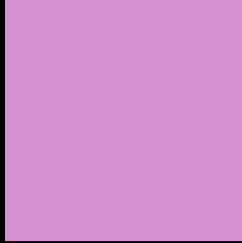
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1869, 38.5942, 65.8298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

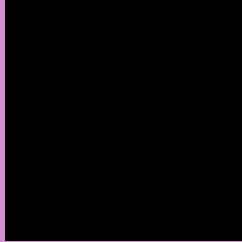
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.1869, 38.5942, 65.8298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1869, 38.5942, 65.8298.



This preview shows how white text looks on a background with the XYZ color 49.1869, 38.5942,

65.8298.

# 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

49.1869, 38.5942, 65.8298

### Protanopia

39.7603, 38.8853, 77.3615

### Deuteranopia

39.7259, 38.8997, 63.8071



## Tritanopia

43.9415, 38.5467, 40.2462

# Trichromacy



## Original Color

49.1869, 38.5942, 65.8298



## Protanomaly

42.2088, 38.1655, 72.8522



## Deuteranomaly

42.4424, 38.2270, 64.1731



## Tritanomaly

45.6663, 38.5327, 48.7467

# Monochromacy



## Original Color

49.1869, 38.5942, 65.8298



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

42.1013, 39.5997, 51.8789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1869, 38.5942, 65.8298 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(214, 143, 210)` looks like.

```
.text, #text, p{  
    color:rgb(214, 143, 210)  
}
```

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(214, 143, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 143, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1869, 38.5942, 65.8298 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(214, 143, 210) }
```



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

```
.border{ border-color:rgb(214, 143, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 143, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 143, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 143, 210);  
box-shadow:4px 4px 4px 4px rgb(214, 143,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1869, 38.5942, 65.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 143, 210) }
```

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

```
.background{ background-color: rgb(214,  
143, 210) }
```

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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