

Converting Colors

XYZ(49.3897, 37.8935, 61.6018)

Have a look what the booklet for
XYZ(49.3897, 37.8935, 61.6018)
contains.

XYZ(49.3451, 37.8849, 61.8385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3451, 37.8849,
61.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8BCC
RGB	219, 139, 204
RGB Percent	86%, 55%, 80%
CMY	0.1412, 0.4549, 0.2000
CMYK	0.00, 0.37, 0.07, 0.14
HSL	311°, 53%, 70%
HSV	311°, 37%, 86%
XYZ	49.3451, 37.8849, 61.8385
YIQ	170.3300, 26.8150, 37.1750

Conversions

Conversions Part 2

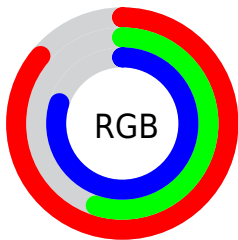
Format	Color
R _Y B	219, 139, 204
Decimal	14388172
CIE Lab	67.94, 40.07, -20.91
CIE LCh	68, 45.194, 332.440
Yxy	37.8849, 0.3310, 0.2541
Android (android.graphics.Color)	4292578252 (0xFFDB8BCC)
YUV	170.3300, 16.5993, 42.6836
Hunter-Lab	61.5507, 35.3894, -16.4817

Details

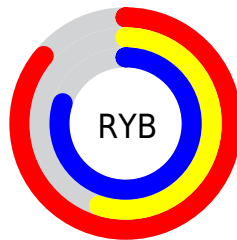
The XYZ color **49.3451, 37.8849, 61.8385** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8133, 58.4863, 39.6594**, and the grayscale version is **38.2845, 40.2782, 43.8630**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **24.0175, 16.8049, 30.8320** is the 20% darker color. If you saturate the color by 10%, you get **46.0002, 31.9725, 58.3257**, and if you desaturate by 10%, it is **53.3404, 45.0762, 65.6330**.

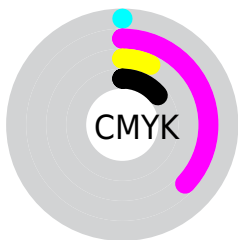
Distribution



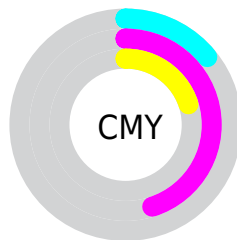
- Red (86%)
- Green (55%)
- Blue (80%)



- Red (86%)
- Yellow (55%)
- Blue (80%)



- Cyan (0%)
- Magenta (37%)
- Yellow (7%)
- Black (14%)





- Cyan (14%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3451, 37.8849, 61.8385 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 49.3451, 37.8849, 61.8385 by changing the saturation by 10% instead.


 49.3451, 37.8849,
61.8385


 49.3451, 37.8849,
61.8385


374.5938,
337.1260, 449.3331

 35.1090, 25.8934,
44.4673


 88.4014, 71.9317,
109.0614

 23.9137, 16.7439,
30.6981


 113.9523, 94.7557,
139.7502

 15.3940, 10.0521,
20.1126


 144.0056,
121.9594, 175.7152

 9.1845, 5.4335,
12.2920

178.9265,
153.9271, 217.3750

 4.9198, 2.5038,
6.8179

219.0804,
191.0432, 265.1482

 2.2346, 0.8785,
3.2718

264.8327,

 0.7609, 0.0000,

233.6921, 319.4532

1.2350

316.5487,
282.2582, 380.7087

■ 0.0000, 0.0000,
0.0076

■ 0.0000, 0.0000,
0.0000

■ 49.3451, 37.8849,
61.8385

■ 49.3451, 37.8849,
61.8385

■ 46.0002, 31.9725,
58.3257

■ 53.3404, 45.0762,
65.6330

■ 43.2641, 27.2575,
55.0789

■ 58.0178, 53.6112,
69.7191

■ 41.0955, 23.6571,
52.0845

■ 63.4108, 63.5565,
74.1087

■ 39.4466, 21.0759,
49.3259

■ 69.5500, 74.9728,
78.8126

■ 38.2616, 19.4023,
46.7840

■ 76.4639, 87.9172,
83.8406

■ 37.4696, 18.4946,
44.4348

■ 79.0664, 92.2173,
87.4980

■ 37.2432, 18.2720,
43.6495

■ 79.6456, 92.4490,
90.5478

■ 80.2384, 92.6861,
93.6696

■ 80.8449, 92.9287,
96.8636

Harmonies

Analogous

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



43.7429, 37.8849, 83.2167



49.3451, 37.8849, 61.8385



51.2429, 37.8849, 39.6264

Triad

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



49.3451, 37.8849, 61.8385



35.4369, 37.8849, 13.4332



25.7785, 37.8849, 65.6476

Complementary

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



49.3451, 37.8849, 61.8385



41.8133, 58.4863, 39.6594

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.



24.1392, 37.8849, 42.9178



49.3451, 37.8849, 61.8385



29.2441, 37.8849, 16.4757

Square

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



49.3451, 37.8849, 61.8385



42.6196, 37.8849, 15.5992



25.3214, 37.8849, 25.8289



30.1190, 37.8849, 85.8718

Rectangle

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



49.3451, 37.8849, 61.8385



49.9762, 37.8849, 28.1868



25.3214, 37.8849, 25.8289



24.9208, 37.8849, 57.8308

Sweetspot

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



49.3463, 37.8866, 61.8393



85.9100, 83.0567, 101.7327



35.2836, 30.4190, 71.0304



18.1663, 17.3682, 21.5939



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.



49.3463, 37.8866, 61.8393



65.8782, 46.7832, 83.3705



45.1784, 36.2195, 39.8917



13.5042, 13.2308, 15.9164



22.1214, 10.8496, 26.0828



1.4608, 0.7139, 1.8353

Inverse Universe

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



49.3463, 37.8866, 61.8393



65.8782, 46.7832, 83.3705



45.6806, 60.0332, 60.0242



13.5042, 13.2308, 15.9164



22.1214, 10.8496, 26.0828



1.4608, 0.7139, 1.8353

Previews

White Background



This preview shows how the XYZ color 49.3451, 37.8849, 61.8385 looks on a white background.

Color Contrast Check

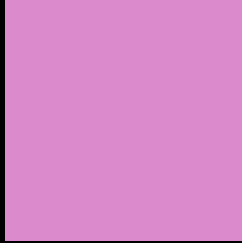
Large Text (above 18pt) WCAG AA × Fail

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 49.3451, 37.8849, 61.8385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

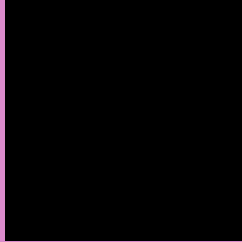
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3451, 37.8849, 61.8385

Background



This preview shows how black text looks on a background with the XYZ color 49.3451, 37.8849, 61.8385.



This preview shows how white text looks on a background with the XYZ color 49.3451, 37.8849,

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

49.3451, 37.8849, 61.8385

Protanopia

39.0380, 38.3089, 74.4441

Deuteranopia

38.8627, 38.0101, 59.9320



Tritanopia

44.2885, 37.8291, 37.7684

Trichromacy



Original Color

49.3451, 37.8849, 61.8385



Protanomaly

41.6663, 37.4629, 69.3250



Deuteranomaly

42.1058, 37.6425, 60.3049



Tritanomaly

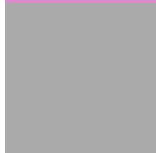
45.8876, 37.7930, 45.4337

Monochromacy



Original Color

49.3451, 37.8849, 61.8385



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.5807, 38.8650, 49.5661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3451, 37.8849, 61.8385 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(219, 139, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 139, 204)  
}
```

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(219, 139, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 139, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.3451, 37.8849, 61.8385 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(219, 139, 204) }
```


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

```
.border{ border-color:rgb(219, 139, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 139, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 139, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 139, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 139,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3451, 37.8849, 61.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 139, 204) }
```

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

```
.background{ background-color: rgb(219,  
139, 204) }
```

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