

# Converting Colors

XYZ(47.3713, 42.9101, 61.0441)

Have a look what the booklet for  
XYZ(47.3713, 42.9101, 61.0441)  
contains.

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# Color

**XYZ(47.3713, 42.9101,  
61.0441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7A4C9
RGB	199, 164, 201
RGB Percent	78%, 64%, 79%
CMY	0.2196, 0.3568, 0.2118
CMYK	0.01, 0.18, 0.00, 0.21
HSL	297°, 26%, 72%
HSV	297°, 18%, 79%
XYZ	47.3713, 42.9101, 61.0441
YIQ	178.6830, 8.9830, 18.9270

# Conversions

## Conversions Part 2

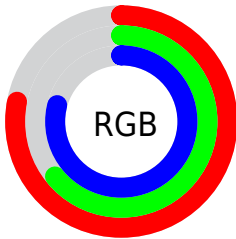
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">199, 164, 201</a>
Decimal	<a href="#">13083849</a>
<a href="#">CIELab</a>	<a href="#">71.49, 19.30, -14.06</a>
<a href="#">CIElCh</a>	<a href="#">71, 23.878, 323.918</a>
<a href="#">Yxy</a>	<a href="#">42.9101, 0.3130, 0.2836</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291273929 (0xFFC7A4C9)</a>
<a href="#">YUV</a>	<a href="#">178.6830, 11.0023, 17.8180</a>
<a href="#">Hunter-Lab</a>	<a href="#">65.5058, 14.4492, -9.3976</a>

# Details

The XYZ color **47.3713, 42.9101, 61.0441** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3149, 52.5617, 42.9866**, and the grayscale version is **42.6202, 44.8398, 48.8305**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **22.7377, 19.7147, 30.2107** is the 20% darker color. If you saturate the color by 10%, you get **43.7679, 36.1289, 59.9258**, and if you desaturate by 10%, it is **51.5479, 50.8330, 62.3539**.

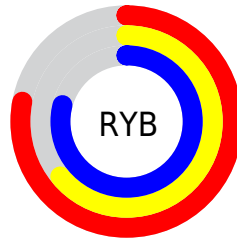
# Distribution



Red (78%)

Green (64%)

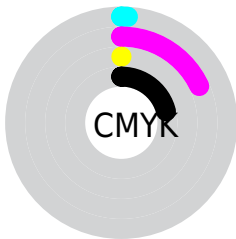
Blue (79%)



Red (78%)

Yellow (64%)

Blue (79%)

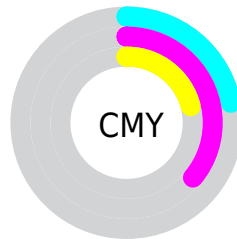


Cyan (1%)

Magenta (18%)

Yellow (0%)

Black (21%)



Cyan (22%)

Magenta (36%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3713, 42.9101, 61.0441 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 47.3713, 42.9101, 61.0441 by changing the saturation by 10% instead.





 47.3713, 42.9101,  
61.0441


 47.3713, 42.9101,  
61.0441


366.9189,  
358.2419, 446.3467

 33.5385, 29.8146,  
43.8300

 85.4830, 79.5752,  
107.9009

 22.7005, 19.6979,  
30.2006


 110.4925,  
103.9135, 138.3807

 14.4920, 12.1756,  
19.7376


139.9583,  
132.7683, 174.1195

 8.5476, 6.8634,  
12.0223

174.2457,  
166.5238, 215.5358

 4.5020, 3.3768,  
6.6361

213.7202,  
205.5646, 263.0481

 1.9899, 1.3315,  
3.1606

258.7469,

 0.6283, 0.1654,

250.2749, 317.0750

1.1772

309.6914,  
301.0392, 378.0350

■ 0.0000, 0.0000,  
0.0000

■ 47.3713, 42.9101,  
61.0441

■ 47.3713, 42.9101,  
61.0441

■ 43.7679, 36.1289,  
59.9258

■ 51.5479, 50.8330,  
62.3539

■ 40.7070, 30.4306,  
58.9872

■ 56.3186, 59.9419,  
63.8606

■ 38.1613, 25.7595,  
58.2198

■ 61.7081, 70.2854,  
65.5731

■ 36.0993, 22.0528,  
57.6130

■ 67.7386, 81.9077,  
67.4986

■ 34.4861, 19.2407,  
57.1552

■ 71.3235, 88.6358,  
68.6083

■ 33.2822, 17.2440,  
56.8333

■ 71.6232, 88.7903,  
68.6223

■ 32.4410, 15.9699,  
56.6317

■ 71.9249, 88.9458,  
68.6364

■ 31.8904, 15.2738,  
56.5263

■ 72.2288, 89.1024,  
68.6506

■ 31.8123, 15.1820,  
56.5127

■ 72.5347, 89.2602,  
68.6649

# Harmonies

## Analogous

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



44.0068, 42.9101, 70.0788



47.3713, 42.9101, 61.0441



48.9831, 42.9101, 49.1122

# Triad

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



47.3713, 42.9101, 61.0441



41.6111, 42.9101, 27.9507



34.1052, 42.9101, 56.3062

# Complementary

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



47.3713, 42.9101, 61.0441



43.3149, 52.5617, 42.9866

# 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.



33.5564, 42.9101, 44.4103



47.3713, 42.9101, 61.0441



37.7240, 42.9101, 29.2338

# Square

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



47.3713, 42.9101, 61.0441



45.5194, 42.9101, 30.9874



34.8389, 42.9101, 34.8356



36.3904, 42.9101, 67.0435



# Rectangle

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



47.3713, 42.9101, 61.0441



48.7756, 42.9101, 41.5860



34.8389, 42.9101, 34.8356



33.7181, 42.9101, 52.2640

# Sweetspot

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



47.3726, 42.9120, 61.0450



90.0583, 90.4672, 107.3231



39.5755, 39.5541, 60.8078



19.1648, 19.1515, 22.9365



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.



47.3726, 42.9120, 61.0450



78.5837, 68.7103, 103.7283



46.1177, 42.4717, 51.6491



11.0243, 10.7863, 13.4184



20.0276, 9.5588, 35.5338



0.9660, 0.4617, 1.6834



# Inverse Universe

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



44.2473, 41.7235, 41.7997



72.2930, 66.3219, 64.8261



44.4396, 52.9636, 51.0802



10.6567, 10.6461, 11.1756



15.1936, 7.8270, 0.9633

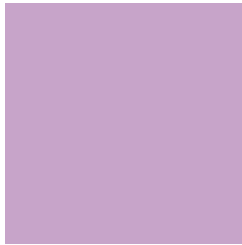


0.7277, 0.3739, 0.0892



# Previews

## White Background



This preview shows how the XYZ color 47.3713, 42.9101, 61.0441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

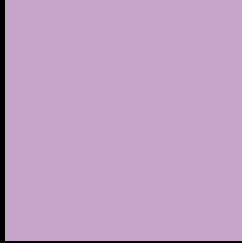
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3713, 42.9101, 61.0441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

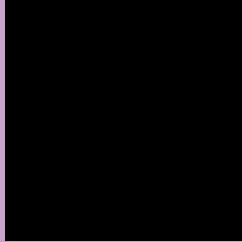
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 47.3713, 42.9101, 61.0441

## Background



This preview shows how black text looks on a background with the XYZ color 47.3713, 42.9101, 61.0441.



This preview shows how white text looks on a background with the XYZ color 47.3713, 42.9101,



# 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

47.3713, 42.9101, 61.0441

### Protanopia

42.7607, 43.2121, 65.1185

### Deuteranopia

44.0443, 43.1197, 60.6451



## Tritanopia

45.1081, 43.0772, 49.6533

# Trichromacy



## Original Color

47.3713, 42.9101, 61.0441

## Protanomaly

44.2166, 42.8605, 63.7001

## Deuteranomaly

45.1670, 42.8668, 60.5371

## Tritanomaly

45.9218, 43.1386, 53.4832

# Monochromacy



## Original Color

47.3713, 42.9101, 61.0441

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.3554, 44.2991, 53.2265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3713, 42.9101, 61.0441 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(199, 164, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 201)  
}
```

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(199, 164, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3713, 42.9101, 61.0441 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(199, 164, 201) }
```



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

```
.border{ border-color:rgb(199, 164, 201) }
```

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

Here you see how a box with a 4 pixel rgb(199, 164, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3713, 42.9101, 61.0441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 201) }
```

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

```
.background{ background-color: rgb(199,  
164, 201) }
```

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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