

Converting Colors

XYZ(48.3842, 43.4246, 65.6046)

Have a look what the booklet for
XYZ(48.3842, 43.4246, 65.6046)
contains.

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Color

**XYZ(48.2138, 43.2471,
65.4809)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A4D0
RGB	199, 164, 208
RGB Percent	78%, 64%, 82%
CMY	0.2196, 0.3568, 0.1843
CMYK	0.04, 0.21, 0.00, 0.18
HSL	288°, 32%, 73%
HSV	288°, 21%, 82%
XYZ	48.2138, 43.2471, 65.4809
YIQ	179.4810, 6.7360, 21.1040

Conversions

Conversions Part 2

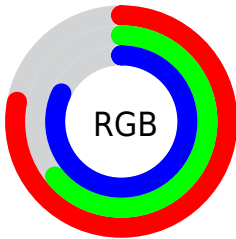
Format	Color
R _{YB}	199, 164, 208
Decimal	13083856
CIE Lab	71.72, 20.65, -17.57
CIE LCh	72, 27.113, 319.604
Yxy	43.2471, 0.3072, 0.2756
Android (android.graphics.Color)	4291273936 (0xFFC7A4D0)
YUV	179.4810, 14.0599, 17.1182
Hunter-Lab	65.7625, 15.7829, -13.0023

Details

The XYZ color **48.2138, 43.2471, 65.4809** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4918, 56.6774, 43.6135**, and the grayscale version is **43.0303, 45.2712, 49.3003**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **23.3040, 19.9412, 33.1926** is the 20% darker color. If you saturate the color by 10%, you get **43.6788, 35.8289, 64.2887**, and if you desaturate by 10%, it is **53.3918, 51.9028, 66.8794**.

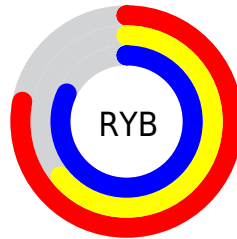
Distribution



Red (78%)

Green (64%)

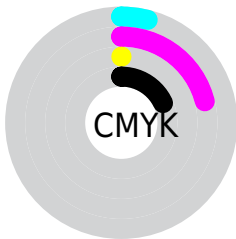
Blue (82%)



Red (78%)

Yellow (64%)

Blue (82%)

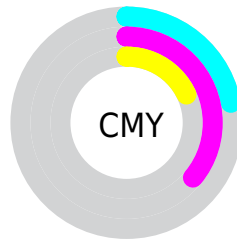


Cyan (4%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (22%)


Magenta (36%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2138, 43.2471, 65.4809 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 48.2138, 43.2471, 65.4809 by changing the saturation by 10% instead.


 48.2138, 43.2471,
65.4809


 48.2138, 43.2471,
65.4809


370.2075,
359.6270, 462.8715

 34.2082, 30.0790,
47.3973


 86.7304, 80.0836,
114.3608

 23.2172, 19.8986,
32.9933


 111.9721,
104.5209, 145.9943

 14.8756, 12.3214,
21.8502


141.6899,
133.4833, 182.9814

 8.8178, 6.9629,
13.5496

176.2491,
167.3553, 225.7408

 4.6787, 3.4389,
7.6729

216.0151,
206.5213, 274.6910

 2.0928, 1.3650,
3.8016

261.3533,

 0.6853, 0.1907,

251.3656, 330.2505

1.5172

312.6289,
302.2727, 392.8378

■ 0.0000, 0.0000,
0.2307

■ 0.0000, 0.0000,
0.0000

■ 48.2138, 43.2471,
65.4809

■ 48.2138, 43.2471,
65.4809

■ 43.6788, 35.8289,
64.2887

■ 53.3918, 51.9028,
66.8794

■ 39.7529, 29.5833,
63.2901

■ 59.2366, 61.8457,
68.4905

■ 36.4053, 24.4481,
62.4754

■ 65.7757, 73.1295,
70.3238

■ 33.6005, 20.3529,
61.8327

■ 73.0336, 85.8031,
72.3875

■ 31.2991, 17.2191,
61.3491

■ 76.7438, 91.3327,
73.2593

■ 29.4560, 14.9569,
61.0096

■ 78.0502, 92.0062,
73.3205

■ 28.0173, 13.4591,
60.7964

■ 79.3896, 92.6967,
73.3831

■ 26.9970, 12.6022,
60.6847

■ 80.7623, 93.4043,
73.4474

■ 82.1685, 94.1292,
73.5132

Harmonies

Analogous

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



44.1438, 43.2471, 75.2004



48.2138, 43.2471, 65.4809



50.4302, 43.2471, 51.8079

Triad

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



48.2138, 43.2471, 65.4809



42.7214, 43.2471, 26.3141



33.3252, 43.2471, 56.1068

Complementary

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



48.2138, 43.2471, 65.4809



46.4918, 56.6774, 43.6135

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.



33.0068, 43.2471, 42.6653



48.2138, 43.2471, 65.4809



38.2091, 43.2471, 27.0345

Square

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



48.2138, 43.2471, 65.4809



47.1060, 43.2471, 30.3155



34.7319, 43.2471, 32.5099



35.6368, 43.2471, 69.1281

Rectangle

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



48.2138, 43.2471, 65.4809



50.4545, 43.2471, 42.9888



34.7319, 43.2471, 32.5099



32.9884, 43.2471, 51.4414

Sweetspot

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



48.2151, 43.2490, 65.4818



89.2198, 90.0349, 107.2838



41.7428, 42.5406, 65.6863



18.9660, 19.0490, 22.9272



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.



48.2151, 43.2490, 65.4818



73.3395, 63.4609, 102.9915



49.2000, 43.9270, 57.8333



12.0641, 11.8819, 14.9012



16.9073, 7.8963, 37.8255



1.0066, 0.4731, 2.1178

Inverse Universe

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



46.8322, 42.9799, 45.3648



70.8593, 63.0043, 65.7357



45.7500, 56.1585, 49.7470



11.9062, 11.8472, 12.7820



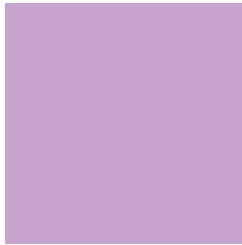
16.5073, 8.4758, 2.3117



0.9522, 0.4856, 0.2832

Previews

White Background



This preview shows how the XYZ color 48.2138, 43.2471, 65.4809 looks on a white background.

Color Contrast Check

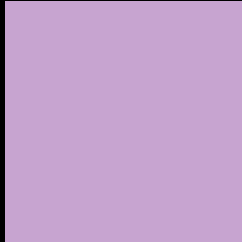
Large Text (above 18pt) WCAG AA × Fail

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 48.2138, 43.2471, 65.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

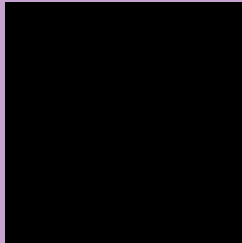
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2138, 43.2471, 65.4809

Background



This preview shows how black text looks on a background with the XYZ color 48.2138, 43.2471, 65.4809.



This preview shows how white text looks on a background with the XYZ color 48.2138, 43.2471,

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

48.2138, 43.2471, 65.4809

Protanopia

43.3381, 43.3939, 70.3817

Deuteranopia

44.3751, 43.4750, 65.0842



Tritanopia

45.1371, 43.3554, 50.2454

Trichromacy



Original Color

48.2138, 43.2471, 65.4809

Protanomaly

44.8488, 43.0866, 68.2401

Deuteranomaly

45.7002, 43.3200, 64.9844

Tritanomaly

45.9876, 43.1348, 55.1923

Monochromacy



Original Color

48.2138, 43.2471, 65.4809

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.6800, 44.4289, 54.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2138, 43.2471, 65.4809 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 208) }
```

Border

The CSS property to change the border of an element to XYZ 48.2138, 43.2471, 65.4809 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, 208) }
```


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

```
.border{ border-color:rgb(199, 164, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 208);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2138, 43.2471, 65.4809 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, 208) }
```

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

```
.background{ background-color: rgb(199,  
164, 208) }
```

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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