

Converting Colors

XYZ(51.9343, 48.0225, 74.9387)

Have a look what the booklet for
XYZ(51.9343, 48.0225, 74.9387)
contains.

XYZ(51.9343, 48.0225, 74.9387)	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(51.9343, 48.0225,
74.9387)**

Conversions

Conversions Part 1

Format	Color
Hex	C7AFDD
RGB	199, 175, 221
RGB Percent	78%, 69%, 87%
CMY	0.2196, 0.3137, 0.1333
CMYK	0.10, 0.21, 0.00, 0.13
HSL	271°, 40%, 78%
HSV	271°, 21%, 87%
XYZ	51.9343, 48.0225, 74.9387
YIQ	187.4200, -0.4620, 19.3940

Conversions

Conversions Part 2

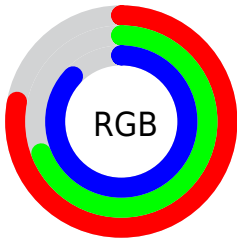
Format	Color
RYB	199, 175, 221
Decimal	13086685
CIELab	74.84, 17.22, -19.96
CIELCh	75, 26.362, 310.779
Yxy	48.0225, 0.2969, 0.2746
Android (android.graphics.Color)	4291276765 (0xFFC7AFDD)
YUV	187.4200, 16.5549, 10.1557
Hunter-Lab	69.2983, 12.5015, -15.6070

Details

The XYZ color **51.9343, 48.0225, 74.9387** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.6220, 66.6796, 50.4458**, and the grayscale version is **47.3821, 49.8496, 54.2862**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **25.5195, 22.6920, 39.1114** is the 20% darker color. If you saturate the color by 10%, you get **45.2724, 38.7179, 73.4946**, and if you desaturate by 10%, it is **59.4979, 58.8394, 76.6287**.

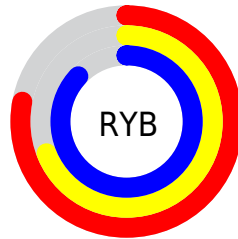
Distribution



Red (78%)

Green (69%)

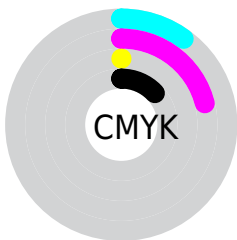
Blue (87%)



Red (78%)

Yellow (69%)

Blue (87%)

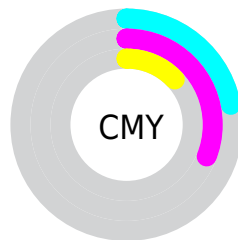


Cyan (10%)

Magenta (21%)

Yellow (0%)

Black (13%)



Cyan (22%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9343, 48.0225, 74.9387 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 51.9343, 48.0225, 74.9387 by changing the saturation by 10% instead.

■ 51.9343, 48.0225,
74.9387

■ 51.9343, 48.0225,
74.9387

384.5110,
378.8813, 496.9566

■ 37.1768, 33.8447,
55.0612

■ 92.2091, 87.2379,
127.9719

■ 25.5187, 22.7743,
39.0518

118.4572,
113.0443, 161.9647

■ 16.5947, 14.4270,
26.4919

149.2660,
143.4957, 201.4997

■ 10.0395, 8.4182,
16.9629

185.0012,
178.9765, 246.9955

■ 5.4876, 4.3637,
10.0464

226.0279,
219.8710, 298.8705

■ 2.5738, 1.8790,
5.3237

272.7115,

■ 0.9326, 0.5357,

266.5637, 357.5433

2.3764

325.4175,
319.4390, 423.4325

■ 0.0000, 0.0000,
0.7735

■ 0.0000, 0.0000,
0.0000

■ 51.9343, 48.0225,
74.9387

■ 51.9343, 48.0225,
74.9387

■ 45.2724, 38.7179,
73.4946

■ 59.4979, 58.8394,
76.6287

■ 39.4697, 30.8492,
72.2816

■ 67.9944, 71.2282,
78.5721

■ 34.4865, 24.3421,
71.2883

■ 77.4589, 85.2527,
80.7803

■ 30.2779, 19.1131,
70.5008

■ 85.1832, 95.4909,
82.3494

■ 26.7943, 15.0693,
69.9039

■ 88.9026, 97.4083,
82.5234

■ 23.9792, 12.1045,
69.4800

■ 90.0513, 98.0005,
82.5772

■ 21.7660, 10.0925,
69.2083

■ 20.1612, 8.8858,
69.0599

Harmonies

Analogous

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



47.3900, 48.0225, 82.7515



51.9343, 48.0225, 74.9387



54.9147, 48.0225, 61.4712

Triad

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



51.9343, 48.0225, 74.9387



48.7468, 48.0225, 31.1091



37.1730, 48.0225, 57.3837

Complementary

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



51.9343, 48.0225, 74.9387



56.6220, 66.6796, 50.4458

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.



37.4801, 48.0225, 44.0688



51.9343, 48.0225, 74.9387



43.9413, 48.0225, 30.4029

Square

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



51.9343, 48.0225, 74.9387



52.9872, 48.0225, 36.8692



39.8832, 48.0225, 34.7347



39.0126, 48.0225, 71.4994

Rectangle

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



51.9343, 48.0225, 74.9387



55.4971, 48.0225, 51.9300



39.8832, 48.0225, 34.7347



37.0320, 48.0225, 52.6483

Sweetspot

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



51.9358, 48.0245, 74.9398



87.7207, 89.2621, 107.2137



50.7514, 54.3748, 76.2279



18.6113, 18.8661, 22.9106



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.



51.9358, 48.0245, 74.9398



67.6341, 60.5196, 102.7245



58.0993, 51.2137, 74.6962



12.9836, 12.9497, 16.4674



11.8436, 5.2298, 40.1236



0.8666, 0.3900, 2.6040

Inverse Universe

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



55.2284, 50.0654, 59.5782



73.0754, 63.8908, 77.4055



51.3507, 63.9535, 50.5934



13.3141, 13.1547, 14.9153



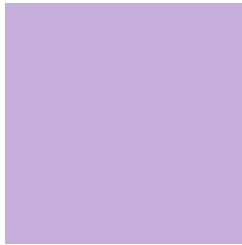
18.8809, 9.5534, 9.0190



1.2666, 0.6363, 0.8127

Previews

White Background



This preview shows how the XYZ color 51.9343, 48.0225, 74.9387 looks on a white background.

Color Contrast Check

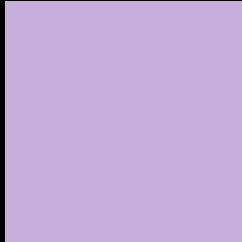
Large Text (above 18pt) WCAG AA × Fail

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 51.9343, 48.0225, 74.9387 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 51.9343, 48.0225, 74.9387

Background



This preview shows how black text looks on a background with the XYZ color 51.9343, 48.0225, 74.9387.



This preview shows how white text looks on a background with the XYZ color 51.9343, 48.0225,

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

51.9343, 48.0225, 74.9387

Protanopia

48.1165, 48.3566, 78.7493

Deuteranopia

49.2471, 48.1241, 74.4034



Tritanopia

48.5645, 48.1397, 57.7712

Trichromacy



Original Color

51.9343, 48.0225, 74.9387

Protanomaly

49.3042, 48.0916, 77.2050

Deuteranomaly

50.0739, 47.9552, 74.3273

Tritanomaly

49.5844, 47.9362, 63.7660

Monochromacy



Original Color

51.9343, 48.0225, 74.9387

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.7281, 49.0669, 60.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9343, 48.0225, 74.9387 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, 175, 221)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 221)  
}
```

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, 175, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.9343, 48.0225, 74.9387 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, 175, 221) }
```


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

```
.border{ border-color:rgb(199, 175, 221) }
```

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

Here you see how a box with a 4 pixel rgb(199, 175, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 221);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9343, 48.0225, 74.9387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 221) }
```

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

```
.background{ background-color: rgb(199,  
175, 221) }
```

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