

Converting Colors

XYZ(49.2340, 45.7973, 64.8408)

Have a look what the booklet for
XYZ(49.2340, 45.7973, 64.8408)
contains.

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Color

**XYZ(49.2567, 45.7242,
64.6221)**

Conversions

Conversions Part 1

Format	Color
Hex	C7ABCE
RGB	199, 171, 206
RGB Percent	78%, 67%, 81%
CMY	0.2196, 0.3294, 0.1922
CMYK	0.03, 0.17, 0.00, 0.19
HSL	288°, 26%, 74%
HSV	288°, 17%, 81%
XYZ	49.2567, 45.7242, 64.6221
YIQ	183.3620, 5.4530, 16.8210

Conversions

Conversions Part 2

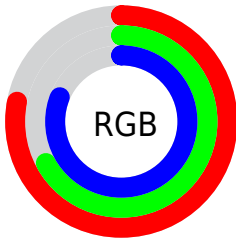
Format	Color
R _Y B	199, 171, 206
Decimal	13085646
CIE Lab	73.37, 16.42, -14.00
CIE LCh	73, 21.574, 319.554
Yxy	45.7242, 0.3086, 0.2865
Android (android.graphics.Color)	4291275726 (0xFFC7ABCE)
YUV	183.3620, 11.1605, 13.7145
Hunter-Lab	67.6197, 11.6917, -9.3279

Details

The XYZ color **49.2567, 45.7242, 64.6221** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7838, 56.5491, 46.9270**, and the grayscale version is **45.1482, 47.4994, 51.7268**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **23.9414, 21.4804, 32.5900** is the 20% darker color. If you saturate the color by 10%, you get **44.5867, 37.9846, 63.3750**, and if you desaturate by 10%, it is **54.5654, 54.6958, 66.0747**.

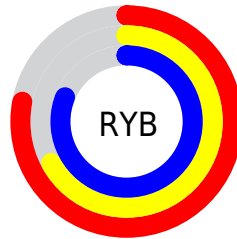
Distribution



Red (78%)

Green (67%)

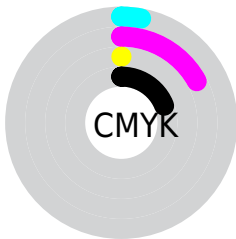
Blue (81%)



Red (78%)

Yellow (67%)

Blue (81%)

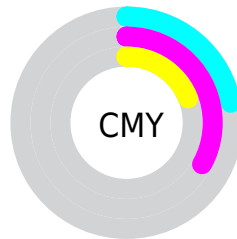


Cyan (3%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (22%)


Magenta (33%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2567, 45.7242, 64.6221 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 49.2567, 45.7242, 64.6221 by changing the saturation by 10% instead.


 49.2567, 45.7242,
64.6221

 49.2567, 45.7242,
64.6221


374.2522,
369.6987, 459.7017

 35.0385, 32.0282,
46.7053


 88.2710, 83.8061,
113.1144

 23.8592, 21.3831,
32.4501

113.7979,
108.9608, 144.5271

 15.3534, 13.4043,
21.4379

143.8250,
138.7039, 181.2755

 9.1557, 7.7075,
13.2501

178.7178,
173.4197, 223.7781

 4.9008, 3.9084,
7.4682

218.8415,
213.4928, 272.4534

 2.2233, 1.6224,
3.6738

264.5616,

 0.7550, 0.3727,

259.3073, 327.7201

1.4481

316.2434,
311.2479, 389.9967

■ 0.0000, 0.0000,
0.1788

■ 0.0000, 0.0000,
0.0000

■ 49.2567, 45.7242,
64.6221

■ 49.2567, 45.7242,
64.6221

■ 44.5867, 37.9846,
63.3750

■ 54.5654, 54.6958,
66.0747

■ 40.5232, 31.4150,
62.3211

■ 60.5352, 64.9460,
67.7385

■ 37.0369, 25.9567,
61.4513

■ 67.1923, 76.5262,
69.6229

■ 34.0948, 21.5439,
60.7546

■ 74.5602, 89.4831,
71.7355

■ 31.6602, 18.1034,
60.2189

■ 76.2958, 91.1300,
71.9619

■ 29.6915, 15.5526,
59.8303

■ 77.5553, 91.7793,
72.0208

■ 28.1403, 13.7951,
59.5728

■ 78.8459, 92.4446,
72.0812

■ 26.9423, 12.7022,
59.4250

■ 80.1675, 93.1259,
72.1431

■ 26.6160, 12.4341,
59.3904

■ 81.5205, 93.8234,
72.2064

Harmonies

Analogous

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



45.9496, 45.7242, 72.2068



49.2567, 45.7242, 64.6221



51.0433, 45.7242, 53.6746

Triad

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



49.2567, 45.7242, 64.6221



44.7969, 45.7242, 31.9218



36.9353, 45.7242, 57.1184

Complementary

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



49.2567, 45.7242, 64.6221



47.7838, 56.5491, 46.9270

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.



36.6667, 45.7242, 46.0897



49.2567, 45.7242, 64.6221



41.0610, 45.7242, 32.5652

Square

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



49.2567, 45.7242, 64.6221



48.3707, 45.7242, 35.5066



38.1360, 45.7242, 37.4143



38.8924, 45.7242, 67.4568

Rectangle

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



49.2567, 45.7242, 64.6221



51.0653, 45.7242, 46.3949



38.1360, 45.7242, 37.4143



36.6491, 45.7242, 53.3382

Sweetspot

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



49.2581, 45.7262, 64.6231



90.1846, 91.6527, 107.5452



43.9738, 45.1897, 64.7981



19.1616, 19.3756, 22.9799



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.



49.2581, 45.7262, 64.6231



77.2291, 69.7822, 104.0066



49.9912, 46.2389, 58.5658



11.4592, 11.2860, 14.1448



16.4696, 7.6979, 36.5741



0.9070, 0.4267, 1.8895

Inverse Universe

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



48.0540, 45.4641, 48.3644



74.9961, 69.3110, 73.1783



47.1995, 56.1345, 52.0206



11.3025, 11.2497, 12.1278



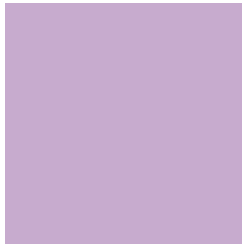
15.9502, 8.1907, 2.1903



0.8505, 0.4336, 0.2586

Previews

White Background



This preview shows how the XYZ color 49.2567, 45.7242, 64.6221 looks on a white background.

Color Contrast Check

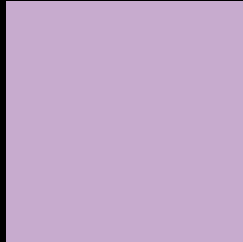
Large Text (above 18pt) WCAG AA × Fail

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 49.2567, 45.7242, 64.6221 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 49.2567, 45.7242, 64.6221

Background



This preview shows how black text looks on a background with the XYZ color 49.2567, 45.7242, 64.6221.



This preview shows how white text looks on a background with the XYZ color 49.2567, 45.7242,

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

49.2567, 45.7242, 64.6221

Protanopia

45.3335, 45.9420, 68.1064

Deuteranopia

46.7945, 45.8975, 64.1504



Tritanopia

46.9781, 45.6387, 53.9101

Trichromacy



Original Color

49.2567, 45.7242, 64.6221

Protanomaly

46.5624, 45.7214, 66.6926

Deuteranomaly

47.6414, 45.7562, 64.0785

Tritanomaly

47.8199, 45.6976, 57.9299

Monochromacy



Original Color

49.2567, 45.7242, 64.6221

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.5103, 46.8206, 55.8761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2567, 45.7242, 64.6221 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, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 171, 206)  
}
```

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, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 49.2567, 45.7242, 64.6221 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, 171, 206) }
```


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

```
.border{ border-color:rgb(199, 171, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 171, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 171, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 171, 206);  
box-shadow:4px 4px 4px 4px rgb(199, 171,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2567, 45.7242, 64.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 171, 206) }
```

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

```
.background{ background-color: rgb(199,  
171, 206) }
```

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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