

Converting Colors

XYZ(49.7076, 43.2172, 71.4014)

Have a look what the booklet for
XYZ(49.7076, 43.2172, 71.4014)
contains.

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Color

**XYZ(49.6264, 43.0560,
71.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA1D9
RGB	202, 161, 217
RGB Percent	79%, 63%, 85%
CMY	0.2078, 0.3686, 0.1490
CMYK	0.07, 0.26, 0.00, 0.15
HSL	284°, 42%, 74%
HSV	284°, 26%, 85%
XYZ	49.6264, 43.0560, 71.3407
YIQ	179.6430, 6.4600, 26.1080

Conversions

Conversions Part 2

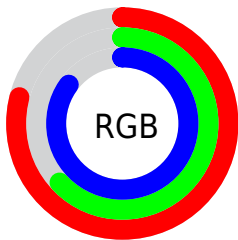
Format	Color
R_{YB}	202, 161, 217
Decimal	13279705
CIE _{Lab}	71.59, 25.06, -22.69
CIE _{LCh}	72, 33.806, 317.850
Yxy	43.0560, 0.3026, 0.2625
Android (android.graphics.Color)	4291469785 (0xFFCAA1D9)
YUV	179.6430, 18.4170, 19.6071
Hunter-Lab	65.6171, 20.1702, -18.5298

Details

The XYZ color **49.6264, 43.0560, 71.3407** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.1517, 61.4301, 42.9868**, and the grayscale version is **43.0944, 45.3386, 49.3738**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **24.0228, 19.7490, 36.7282** is the 20% darker color. If you saturate the color by 10%, you get **44.6155, 35.3244, 70.1131**, and if you desaturate by 10%, it is **55.3573, 52.1379, 72.7923**.

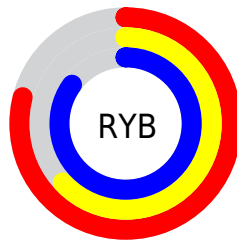
Distribution



Red (79%)

Green (63%)

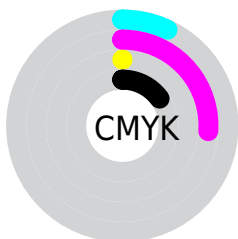
Blue (85%)



Red (79%)

Yellow (63%)

Blue (85%)

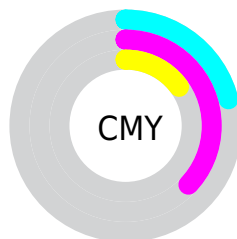


Cyan (7%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (21%)

Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6264, 43.0560, 71.3407 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 49.6264, 43.0560, 71.3407 by changing the saturation by 10% instead.


 49.6264, 43.0560,
71.3407


 49.6264, 43.0560,
71.3407


375.6793,
358.8420, 484.1593

 35.3332, 29.9291,
52.1367


 88.8162, 79.7954,
122.8177

 24.0874, 19.7847,
36.7311


 114.4436,
104.1766, 155.9278

 15.5235, 12.2387,
24.7052


144.5797,
133.0780, 194.5104

 9.2763, 6.9064,
15.6405

179.5900,
166.8840, 238.9840

 4.9804, 3.4037,
9.1186

219.8397,
205.9790, 289.7671

 2.2704, 1.3459,
4.7207

265.6943,

 0.7795, 0.1764,

250.7474, 347.2784

2.0285

317.5190,
301.5736, 411.9362

■ 0.0000, 0.0000,
0.5727

■ 0.0000, 0.0000,
0.0000

■ 49.6264, 43.0560,
71.3407

■ 49.6264, 43.0560,
71.3407

■ 44.6155, 35.3244,
70.1131

■ 55.3573, 52.1379,
72.7923

■ 40.2859, 28.8694,
69.0954

■ 61.8364, 62.6281,
74.4756

■ 36.6013, 23.6182,
68.2760

■ 69.0951, 74.5877,
76.4015

■ 33.5200, 19.4888,
67.6413

■ 77.1618, 88.0726,
78.5792

30.9953, 16.3883,
67.1759

81.2603, 93.5294,
79.4164

28.9726, 14.2089,
66.8619

83.1685, 94.5131,
79.5057

27.3847, 12.8172,
66.6769

85.1395, 95.5293,
79.5980

26.7980, 12.3681,
66.6212

87.1741, 96.5781,
79.6932

89.2727, 97.6600,
79.7914

Harmonies

Analogous

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



44.3863, 43.0560, 83.6867



49.6264, 43.0560, 71.3407



52.6382, 43.0560, 53.8241

Triad

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



49.6264, 43.0560, 71.3407



43.2811, 43.0560, 22.3471



31.3262, 43.0560, 57.2081

Complementary

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



49.6264, 43.0560, 71.3407



49.1517, 61.4301, 42.9868

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.



31.0901, 43.0560, 40.5616



49.6264, 43.0560, 71.3407



37.6455, 43.0560, 22.8452

Square

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



49.6264, 43.0560, 71.3407



48.7526, 43.0560, 27.1991



33.3025, 43.0560, 28.7682



33.9808, 43.0560, 74.3095

Rectangle

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



49.6264, 43.0560, 71.3407



52.8078, 43.0560, 42.7110



33.3025, 43.0560, 28.7682



30.9710, 43.0560, 51.3132

Sweetspot

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



49.6278, 43.0578, 71.3416



86.9021, 86.6462, 106.7519



42.9198, 43.9802, 71.8732



18.2902, 18.0413, 22.7683



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.



49.6278, 43.0578, 71.3416



67.4401, 55.7141, 101.8071



52.3647, 44.6445, 63.5316



13.2565, 13.0903, 16.4801



16.3271, 7.5411, 40.3334



1.1379, 0.5299, 2.6167

Inverse Universe

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



49.1980, 43.3778, 46.8557



66.8478, 56.3280, 60.2470



47.0680, 60.2262, 48.7487



13.1986, 13.1085, 14.3069



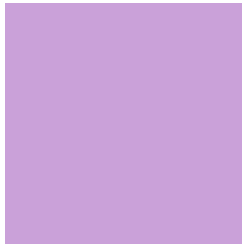
17.8242, 9.1307, 3.4541



1.1904, 0.6058, 0.4115

Previews

White Background



This preview shows how the XYZ color 49.6264, 43.0560, 71.3407 looks on a white background.

Color Contrast Check

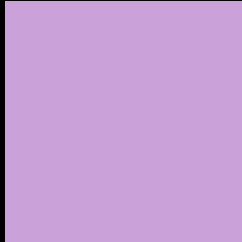
Large Text (above 18pt) WCAG AA × Fail

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 49.6264, 43.0560, 71.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

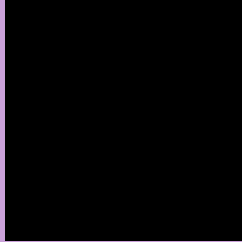
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6264, 43.0560, 71.3407

Background



This preview shows how black text looks on a background with the XYZ color 49.6264, 43.0560, 71.3407.



This preview shows how white text looks on a background with the XYZ color 49.6264, 43.0560,

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

49.6264, 43.0560, 71.3407

Protanopia

43.7638, 43.4445, 78.0305

Deuteranopia

44.2518, 43.2956, 70.3145



Tritanopia

45.3691, 43.2118, 49.6656

Trichromacy



Original Color

49.6264, 43.0560, 71.3407

Protanomaly

45.6387, 43.0508, 75.7162

Deuteranomaly

46.1645, 43.1535, 70.8621

Tritanomaly

46.7459, 42.9474, 56.8648

Monochromacy



Original Color

49.6264, 43.0560, 71.3407

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.3082, 44.4288, 56.6397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6264, 43.0560, 71.3407 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(202, 161, 217)` looks like.

```
.text, #text, p{  
    color:rgb(202, 161, 217)  
}
```

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(202, 161, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 161, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.6264, 43.0560, 71.3407 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(202, 161, 217) }
```


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

```
.border{ border-color:rgb(202, 161, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 161, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 161, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 161, 217);  
box-shadow:4px 4px 4px 4px rgb(202, 161,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6264, 43.0560, 71.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 161, 217) }
```

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

```
.background{ background-color: rgb(202,  
161, 217) }
```

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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