

Converting Colors

XYZ(56.2870, 48.9221, 70.7159)

Have a look what the booklet for
XYZ(56.2870, 48.9221, 70.7159)
contains.

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Color

**XYZ(56.4593, 49.0279,
70.7776)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAAD7
RGB	221, 170, 215
RGB Percent	87%, 67%, 84%
CMY	0.1333, 0.3333, 0.1569
CMYK	0.00, 0.23, 0.03, 0.13
HSL	307°, 43%, 77%
HSV	307°, 23%, 87%
XYZ	56.4593, 49.0279, 70.7776
YIQ	190.3790, 15.9510, 24.8070

Conversions

Conversions Part 2

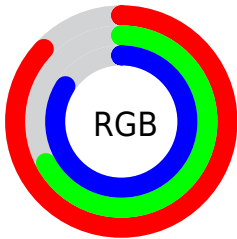
Format	Color
R _Y B	221, 170, 215
Decimal	14527191
CIE Lab	75.47, 26.05, -15.55
CIE LCh	75, 30.334, 329.170
Yxy	49.0279, 0.3203, 0.2781
Android (android.graphics.Color)	4292717271 (0xFFDDAAD7)
YUV	190.3790, 12.1382, 26.8546
Hunter-Lab	70.0199, 21.3954, -10.9176

Details

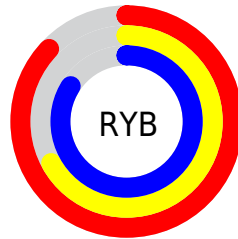
The XYZ color **56.4593, 49.0279, 70.7776** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.2725, 63.3951, 50.6639**, and the grayscale version is **49.0890, 51.6454, 56.2419**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **28.2235, 23.2600, 36.2598** is the 20% darker color. If you saturate the color by 10%, you get **52.3285, 41.2961, 67.7656**, and if you desaturate by 10%, it is **61.2948, 58.1590, 74.0518**.

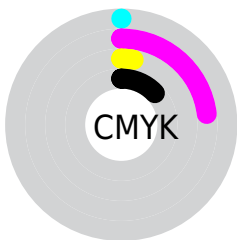
Distribution



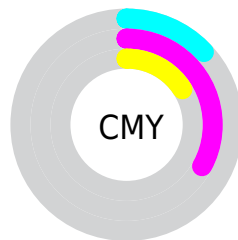
- Red (87%)
- Green (67%)
- Blue (84%)



- Red (87%)
- Yellow (67%)
- Blue (84%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (13%)



- Cyan (13%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4593, 49.0279, 70.7776 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 56.4593, 49.0279, 70.7776 by changing the saturation by 10% instead.

56.4593, 49.0279,
70.7776

56.4593, 49.0279,
70.7776

401.4671,
382.8521, 482.1383

40.8097, 34.6416,
51.6800

98.8117, 88.7329,
122.0085

28.3575, 23.3869,
36.3696

126.2453,
114.8204, 154.9789

18.7371, 14.8795,
24.4278

158.3376,
145.5771, 193.4106

11.5834, 8.7348,
15.4362

195.4539,
181.3873, 237.7222

6.5308, 4.5686,
8.9760

237.9597,
222.6356, 288.3322

3.2142, 1.9965,
4.6290

286.2203,

1.2680, 0.6054,

269.7062, 345.6592

1.9764

340.6010,
322.9836, 410.1217

■ 0.1591, 0.0000,
0.5407

■ 0.0000, 0.0000,
0.0000

■ 56.4593, 49.0279,
70.7776

■ 56.4593, 49.0279,
70.7776

■ 52.3285, 41.2961,
67.7656

■ 61.2948, 58.1590,
74.0518

■ 48.8631, 34.8874,
65.0010

■ 66.8628, 68.7475,
77.5959

■ 46.0268, 29.7284,
62.4720

■ 73.1953, 80.8564,
81.4213

■ 43.7779, 25.7359,
60.1647

■ 79.2249, 92.3506,
85.1723

42.0698, 22.8166,
58.0634

79.5832, 92.4940,
87.0596

40.8486, 20.8629,
56.1499

79.9471, 92.6395,
88.9754

40.0494, 19.7447,
54.4026

80.3163, 92.7872,
90.9200

39.6693, 19.3124,
53.2653

80.6911, 92.9371,
92.8935

81.0714, 93.0892,
94.8959

Harmonies

Analogous

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



52.0411, 49.0279, 85.0514



56.4593, 49.0279, 70.7776



58.2031, 49.0279, 53.8306

Triad

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



56.4593, 49.0279, 70.7776



46.7556, 49.0279, 28.1260



37.8244, 49.0279, 69.8487

Complementary

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



56.4593, 49.0279, 70.7776



50.2725, 63.3951, 50.6639

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.



36.6508, 49.0279, 52.9380



56.4593, 49.0279, 70.7776



41.5512, 49.0279, 30.7499

Square

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



56.4593, 49.0279, 70.7776



52.3322, 49.0279, 31.0599



37.9602, 49.0279, 39.1010



41.3016, 49.0279, 84.4441

Rectangle

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



56.4593, 49.0279, 70.7776



57.5154, 49.0279, 43.8932



37.9602, 49.0279, 39.1010



37.1604, 49.0279, 64.1507

Sweetspot

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



56.4608, 49.0301, 70.7786



89.2813, 89.0007, 105.3180



45.3212, 43.1967, 74.3568



19.0086, 18.8572, 22.4782



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.



56.4608, 49.0301, 70.7786



75.0242, 62.0657, 95.6972



53.4404, 47.8219, 54.8737



13.5450, 13.2471, 16.1310



23.0717, 11.2297, 31.0873



1.5138, 0.7351, 2.1144

Inverse Universe

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



56.4608, 49.0301, 70.7786



75.0242, 62.0657, 95.6972



53.0315, 64.4987, 65.1925



13.5450, 13.2471, 16.1310



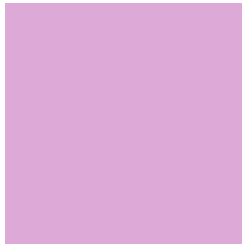
23.0717, 11.2297, 31.0873



1.5138, 0.7351, 2.1144

Previews

White Background



This preview shows how the XYZ color 56.4593, 49.0279, 70.7776 looks on a white background.

Color Contrast Check

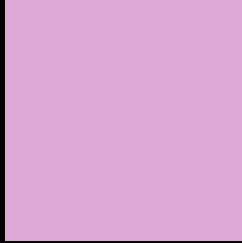
Large Text (above 18pt) WCAG AA × Fail

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 56.4593, 49.0279, 70.7776 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 56.4593, 49.0279, 70.7776

Background



This preview shows how black text looks on a background with the XYZ color 56.4593, 49.0279, 70.7776.



This preview shows how white text looks on a background with the XYZ color 56.4593, 49.0279,

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

56.4593, 49.0279, 70.7776

Protanopia

48.8626, 49.0643, 78.1292

Deuteranopia

50.2723, 49.0583, 69.7704



Tritanopia

53.0223, 49.0425, 54.2485

Trichromacy



Original Color

56.4593, 49.0279, 70.7776

Protanomaly

51.1636, 48.7981, 75.1290

Deuteranomaly

52.4883, 48.9958, 70.3090

Tritanomaly

54.0501, 48.8698, 60.0101

Monochromacy



Original Color

56.4593, 49.0279, 70.7776

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.3297, 50.4080, 61.0572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4593, 49.0279, 70.7776 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(221, 170, 215)` looks like.

```
.text, #text, p{  
    color:rgb(221, 170, 215)  
}
```

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(221, 170, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 170, 215) }
```

Border

The CSS property to change the border of an element to XYZ 56.4593, 49.0279, 70.7776 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(221, 170, 215) }
```


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

```
.border{ border-color:rgb(221, 170, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 170, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 170, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 170, 215);  
box-shadow:4px 4px 4px 4px rgb(221, 170,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4593, 49.0279, 70.7776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 170, 215) }
```

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

```
.background{ background-color: rgb(221,  
170, 215) }
```

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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