

# Converting Colors

XYZ(59.1627, 49.3100, 87.1364)

Have a look what the booklet for  
XYZ(59.1627, 49.3100, 87.1364)  
contains.

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# Color

**XYZ(59.0701, 49.1826,  
87.2688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDA7EE
RGB	221, 167, 238
RGB Percent	87%, 65%, 93%
CMY	0.1333, 0.3451, 0.0667
CMYK	0.07, 0.30, 0.00, 0.07
HSL	286°, 68%, 79%
HSV	286°, 30%, 93%
XYZ	59.0701, 49.1826, 87.2688
YIQ	191.2400, 9.3930, 33.5290

# Conversions

## Conversions Part 2

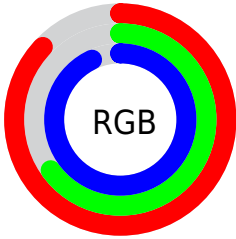
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 167, 238
Decimal	14526446
CIE Lab	75.56, 32.01, -27.91
CIE LCh	76, 42.472, 318.920
Yxy	49.1826, 0.3021, 0.2515
Android (android.graphics.Color)	4292716526 (0xFFDDA7EE)
YUV	191.2400, 23.0527, 26.0995
Hunter-Lab	70.1303, 27.6208, -24.6881

# Details

The XYZ color **59.0701, 49.1826, 87.2688** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.3184, 74.1307, 47.8492**, and the grayscale version is **49.5284, 52.1077, 56.7453**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **29.9779, 23.4114, 47.1948** is the 20% darker color. If you saturate the color by 10%, you get **53.3994, 40.3725, 85.8679**, and if you desaturate by 10%, it is **65.6052, 59.6319, 88.9420**.

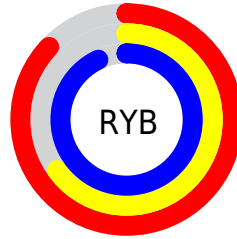
# Distribution



Red (87%)

Green (65%)

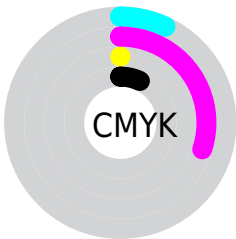
Blue (93%)



Red (87%)

Yellow (65%)

Blue (93%)

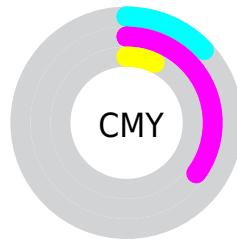


Cyan (7%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (35%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0701, 49.1826, 87.2688 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 59.0701, 49.1826, 87.2688 by changing the saturation by 10% instead.





 59.0701, 49.1826,  
87.2688


 59.0701, 49.1826,  
87.2688


411.0515,  
383.4607, 539.4449

 42.9161, 34.7644,  
65.1568


 102.5936, 88.9626,  
145.4409

 30.0136, 23.4814,  
47.1361


 130.6938,  
115.0931, 182.3381

 19.9970, 14.9494,  
32.7881


163.5069,  
145.8965, 225.0007

 12.5011, 8.7839,  
21.6944

201.3981,  
181.7572, 273.8474

 7.1605, 4.6005,  
13.4364

244.7328,  
223.0596, 329.2966

 3.6099, 2.0148,  
7.5955

293.8763,

 1.4839, 0.6161,

270.1881, 391.7669

3.7532

349.1941,  
323.5270, 461.6768

■ 0.3149, 0.0000,  
1.4909

■ 0.0000, 0.0000,  
0.2112

■ 59.0701, 49.1826,  
87.2688

■ 59.0701, 49.1826,  
87.2688

■ 53.3994, 40.3725,  
85.8679

■ 65.6052, 59.6319,  
88.9420

■ 48.5437, 33.1069,  
84.7214

■ 73.0411, 71.7957,  
90.8980

■ 44.4557, 27.2909,  
83.8143

■ 81.4181, 85.7524,  
93.1504

■ 41.0809, 22.8165,  
83.1285

■ 88.4304, 96.8898,  
94.9305

■ 38.3571, 19.5603,  
82.6436

■ 90.4364, 97.9239,  
95.0244

■ 36.2107, 17.3757,  
82.3350

■ 92.4328, 98.9531,  
95.1178

■ 34.5193, 16.0191,  
82.1623

■ 34.4922, 15.9986,  
82.1598

# Harmonies

## Analogous

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



51.8127, 49.1826, 105.7247



59.0701, 49.1826, 87.2688



63.1758, 49.1826, 62.2944

# Triad

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



59.0701, 49.1826, 87.2688



49.7072, 49.1826, 21.3492



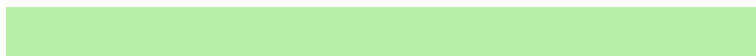
33.8745, 49.1826, 68.8238

# Complementary

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



59.0701, 49.1826, 87.2688



57.3184, 74.1307, 47.8492

# 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.



33.4455, 49.1826, 45.6675



59.0701, 49.1826, 87.2688



42.0220, 49.1826, 22.1884

# Square

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



59.0701, 49.1826, 87.2688



57.3811, 49.1826, 27.1323



36.2686, 49.1826, 29.8756



37.5146, 49.1826, 93.1844



# Rectangle

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



59.0701, 49.1826, 87.2688



63.2966, 49.1826, 47.1255



36.2686, 49.1826, 29.8756



33.3665, 49.1826, 60.5366

# Sweetspot

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



59.0717, 49.1847, 87.2699



86.1678, 85.1940, 106.5103



48.6676, 48.9841, 87.7795



18.1544, 17.7576, 22.7207



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.



59.0717, 49.1847, 87.2699



64.7934, 50.8124, 101.0005



62.0315, 50.9971, 74.4592



16.0629, 15.8296, 19.9304



19.3644, 8.9881, 45.8421



1.6986, 0.7929, 3.8177



# Inverse Universe

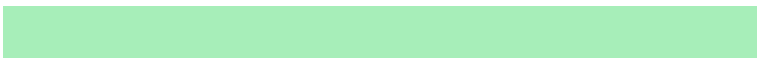
The Inverse Universe completely reimagines the original color for something new.



57.7319, 49.2773, 51.8182



63.1488, 51.0359, 52.5214



55.2432, 72.8580, 56.9142



15.9279, 15.8209, 17.1767



20.1254, 10.3226, 3.3107

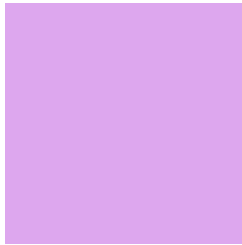


1.7119, 0.8738, 0.4740



# Previews

## White Background



This preview shows how the XYZ color 59.0701, 49.1826, 87.2688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

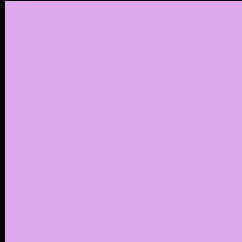
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0701, 49.1826, 87.2688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

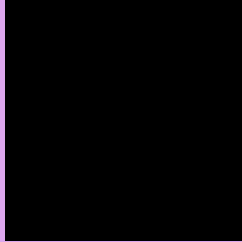
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.0701, 49.1826, 87.2688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0701, 49.1826, 87.2688.



This preview shows how white text looks on a background with the XYZ color 59.0701, 49.1826,

87.2688.

# 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

59.0701, 49.1826, 87.2688

### Protanopia

50.7015, 49.5708, 98.1627

### Deuteranopia

50.5193, 49.4488, 85.4792



## Tritanopia

52.5512, 49.0645, 55.4159

# Trichromacy



## Original Color

59.0701, 49.1826, 87.2688



## Protanomaly

53.0485, 49.0594, 93.8622



## Deuteranomaly

53.1106, 48.9697, 86.0098



## Tritanomaly

54.8213, 49.1438, 65.6278

# Monochromacy



## Original Color

59.0701, 49.1826, 87.2688



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

52.4702, 50.5665, 66.6693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0701, 49.1826, 87.2688 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, 167, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 167, 238)  
}
```

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, 167, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 167, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0701, 49.1826, 87.2688 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, 167, 238) }
```



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

```
.border{ border-color:rgb(221, 167, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 167, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 167, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 167, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 167,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0701, 49.1826, 87.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 167, 238) }
```

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

```
.background{ background-color: rgb(221,  
167, 238) }
```

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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