

Converting Colors

XYZ(49.7429, 41.3413, 61.0130)

Have a look what the booklet for
XYZ(49.7429, 41.3413, 61.0130)
contains.

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Color

**XYZ(49.7835, 41.3429,
61.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	D699CA
RGB	214, 153, 202
RGB Percent	84%, 60%, 79%
CMY	0.1608, 0.4000, 0.2078
CMYK	0.00, 0.29, 0.06, 0.16
HSL	312°, 43%, 72%
HSV	312°, 29%, 84%
XYZ	49.7835, 41.3429, 61.2332
YIQ	176.8250, 20.6270, 28.1710

Conversions

Conversions Part 2

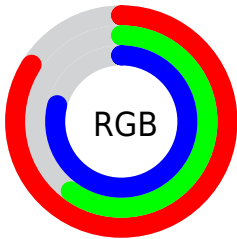
Format	Color
R_{YB}	214, 153, 202
Decimal	14064074
CIE _{Lab}	70.42, 30.56, -16.09
CIE _{LCh}	70, 34.541, 332.233
Yxy	41.3429, 0.3268, 0.2714
Android (android.graphics.Color)	4292254154 (0xFFD699CA)
YUV	176.8250, 12.4113, 32.6025
Hunter-Lab	64.2984, 25.6825, -11.4546

Details

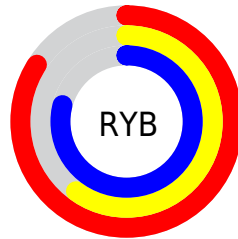
The XYZ color **49.7835, 41.3429, 61.2332** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.9767, 57.5834, 44.3968**, and the grayscale version is **41.6286, 43.7966, 47.6945**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **24.0995, 18.7146, 30.3591** is the 20% darker color. If you saturate the color by 10%, you get **46.0986, 34.7595, 57.5792**, and if you desaturate by 10%, it is **54.1126, 49.1917, 65.1700**.

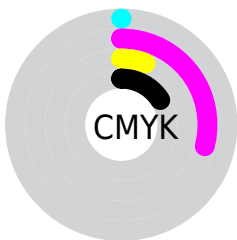
Distribution



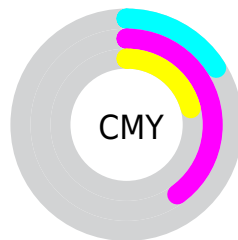
- Red (84%)
- Green (60%)
- Blue (79%)



- Red (84%)
- Yellow (60%)
- Blue (79%)



- Cyan (0%)
- Magenta (29%)
- Yellow (6%)
- Black (16%)





- Cyan (16%)
- Magenta (40%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7835, 41.3429, 61.2332 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 49.7835, 41.3429, 61.2332 by changing the saturation by 10% instead.


 49.7835, 41.3429,
61.2332


 49.7835, 41.3429,
61.2332


376.2847,
351.7517, 447.0587

 35.4585, 28.5871,
43.9816

 89.0478, 77.2042,
108.1773

 24.1844, 18.7687,
30.3190


 114.7177,
101.0784, 138.7070

 15.5960, 11.5033,
19.8267

144.9001,
129.4276, 174.4997

 9.3277, 6.4064,
12.0863

179.9601,
162.6362, 215.9741

 5.0144, 3.0937,
6.6792

220.2633,
201.0885, 263.5486

 2.2905, 1.1809,
3.1869

266.1748,

 0.7898, 0.0460,

245.1689, 317.6419

1.1909

318.0602,
295.2618, 378.6724

■ 0.0000, 0.0000,
0.0000

■ 49.7835, 41.3429,
61.2332

■ 49.7835, 41.3429,
61.2332

■ 46.0986, 34.7595,
57.5792

■ 54.1126, 49.1917,
65.1700

■ 43.0205, 29.3686,
54.1935

■ 59.1134, 58.3626,
69.3979

■ 40.5136, 25.0988,
51.0643

■ 64.8162, 68.9154,
73.9279

■ 38.5371, 21.8684,
48.1774

■ 71.2484, 80.9047,
78.7697

■ 37.0444, 19.5848,
45.5168

■ 76.8183, 91.1469,
83.3933

■ 35.9810, 18.1387,
43.0636

■ 77.3933, 91.3769,
86.4215

■ 35.2640, 17.3648,
40.7898

■ 77.9826, 91.6126,
89.5247

■ 35.1686, 17.2710,
40.4588

■ 78.5862, 91.8540,
92.7032

■ 79.2042, 92.1013,
95.9577

Harmonies

Analogous

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



45.4188, 41.3429, 77.0311



49.7835, 41.3429, 61.2332



51.2621, 41.3429, 43.8068

Triad

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



49.7835, 41.3429, 61.2332



38.8709, 41.3429, 20.4189



30.7545, 41.3429, 63.8634

Complementary

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



49.7835, 41.3429, 61.2332



43.9767, 57.5834, 44.3968

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.



29.3527, 41.3429, 46.2461



49.7835, 41.3429, 61.2332



33.7483, 41.3429, 23.3864

Square

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



49.7835, 41.3429, 61.2332



44.6113, 41.3429, 22.6070



30.3943, 41.3429, 31.9483



34.4191, 41.3429, 78.7892

Rectangle

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



49.7835, 41.3429, 61.2332



50.3077, 41.3429, 34.1783



30.3943, 41.3429, 31.9483



30.0199, 41.3429, 57.9306

Sweetspot

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



49.7848, 41.3447, 61.2341



87.4422, 85.9340, 102.8198



38.8784, 35.5517, 68.4322



18.4704, 17.9411, 21.8048



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.



49.7848, 41.3447, 61.2341



70.7223, 55.5458, 87.8387



46.6012, 40.0713, 44.4697



12.8434, 12.5889, 15.1157



21.2943, 10.4540, 24.6517



1.3117, 0.6415, 1.6309

Inverse Universe

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



49.7848, 41.3447, 61.2341



70.7223, 55.5458, 87.8387



46.9995, 58.7925, 60.3146



12.8434, 12.5889, 15.1157



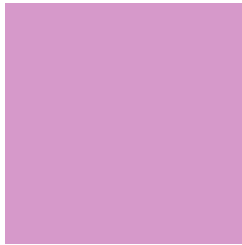
21.2943, 10.4540, 24.6517



1.3117, 0.6415, 1.6309

Previews

White Background



This preview shows how the XYZ color 49.7835, 41.3429, 61.2332 looks on a white background.

Color Contrast Check

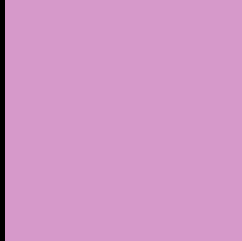
Large Text (above 18pt) WCAG AA × Fail

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 49.7835, 41.3429, 61.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

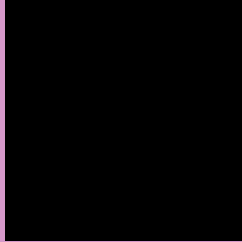
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7835, 41.3429, 61.2332

Background



This preview shows how black text looks on a background with the XYZ color 49.7835, 41.3429, 61.2332.



This preview shows how white text looks on a background with the XYZ color 49.7835, 41.3429,

61.2332.

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

49.7835, 41.3429, 61.2332

Protanopia

41.6008, 41.6622, 69.4673

Deuteranopia

42.4429, 41.4759, 59.8015



Tritanopia

46.3272, 41.4382, 44.0847

Trichromacy



Original Color

49.7835, 41.3429, 61.2332

Protanomaly

43.9644, 41.0278, 66.5748

Deuteranomaly

44.7577, 41.3117, 60.2585

Tritanomaly

47.3644, 41.3402, 49.7391

Monochromacy



Original Color

49.7835, 41.3429, 61.2332

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.1008, 42.4976, 52.3329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7835, 41.3429, 61.2332 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(214, 153, 202)` looks like.

```
.text, #text, p{  
    color:rgb(214, 153, 202)  
}
```

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(214, 153, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 153, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.7835, 41.3429, 61.2332 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(214, 153, 202) }
```


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

```
.border{ border-color:rgb(214, 153, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 153, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 153, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 153, 202);  
box-shadow:4px 4px 4px 4px rgb(214, 153,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7835, 41.3429, 61.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 153, 202) }
```

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

```
.background{ background-color: rgb(214,  
153, 202) }
```

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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