

Converting Colors

XYZ(48.4849, 41.4203, 49.6973)

Have a look what the booklet for
XYZ(48.4849, 41.4203, 49.6973)
contains.

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Color

**XYZ(48.4837, 41.4190,
49.6953)**

Conversions

Conversions Part 1

Format	Color
Hex	D89BB6
RGB	216, 155, 182
RGB Percent	85%, 61%, 71%
CMY	0.1529, 0.3921, 0.2863
CMYK	0.00, 0.28, 0.16, 0.15
HSL	333°, 44%, 73%
HSV	333°, 28%, 85%
XYZ	48.4837, 41.4190, 49.6953
YIQ	176.3170, 27.6890, 21.3290

Conversions

Conversions Part 2

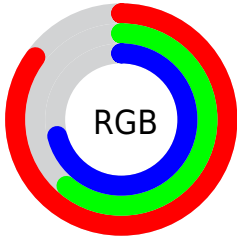
Format	Color
R _Y B	216, 155, 182
Decimal	14195638
CIE Lab	70.47, 26.80, -4.90
CIE LCh	70, 27.241, 349.632
Yxy	41.4190, 0.3473, 0.2967
Android (android.graphics.Color)	4292385718 (0xFFD89BB6)
YUV	176.3170, 2.8017, 34.8020
Hunter-Lab	64.3576, 21.8469, -0.7319

Details

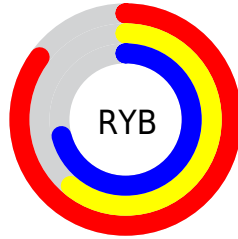
The XYZ color **48.4837, 41.4190, 49.6953** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.2604, 59.7554, 57.1899**, and the grayscale version is **41.4089, 43.5654, 47.4427**.

A 20% lighter version of the original color is **79.7192, 73.5262, 90.8792**, and **23.3099, 18.7591, 23.1612** is the 20% darker color. If you saturate the color by 10%, you get **44.0142, 34.3860, 42.3282**, and if you desaturate by 10%, it is **53.7056, 49.7845, 57.8420**.

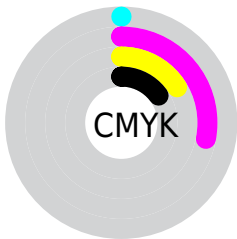
Distribution



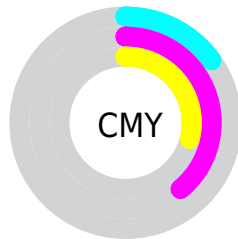
- Red (85%)
- Green (61%)
- Blue (71%)



- Red (85%)
- Yellow (61%)
- Blue (71%)



- Cyan (0%)
- Magenta (28%)
- Yellow (16%)
- Black (15%)





- Cyan (15%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4837, 41.4190, 49.6953 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 48.4837, 41.4190, 49.6953 by changing the saturation by 10% instead.


 48.4837, 41.4190,
49.6953


 48.4837, 41.4190,
49.6953


371.2570,
352.0688, 402.1741

 34.4229, 28.6466,
34.8019


 87.1295, 77.3195,
91.1149

 23.3831, 18.8137,
23.2280


 112.4452,
101.2165, 118.4782

 14.9989, 11.5357,
14.5550


142.2434,
129.5905, 150.8351

 8.9049, 6.4284,
8.3646

176.8892,
162.8258, 188.6043

 4.7358, 3.1073,
4.2380

216.7481,
201.3069, 232.2042

 2.1263, 1.1880,
1.7568

262.1855,

 0.7034, 0.0519,

245.4182, 282.0535

0.3992

313.5667,
295.5440, 338.5706

■ 0.0000, 0.0000,
0.0000

■ 48.4837, 41.4190,
49.6953

■ 48.4837, 41.4190,
49.6953

■ 44.0142, 34.3860,
42.3282

■ 53.7056, 49.7845,
57.8420

■ 40.2565, 28.6103,
35.7126

■ 59.7106, 59.5413,
66.7899

■ 37.1716, 24.0176,
29.8222

■ 66.5320, 70.7516,
76.5628

■ 34.7149, 20.5236,
24.6278

■ 74.2001, 83.4722,
87.1829

■ 32.8363, 18.0326,
20.0976

■ 80.1364, 92.5419,
97.8020

■ 31.4769, 16.4323,
16.1963

■ 82.0072, 93.2903,
107.6536

■ 30.5518, 15.5582,
12.8789

■ 82.1291, 93.3390,
108.2953

■ 30.4120, 15.4362,
12.3465

Harmonies

Analogous

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



46.3173, 41.4190, 63.0800



48.4837, 41.4190, 49.6953



48.0703, 41.4190, 37.2919

Triad

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



48.4837, 41.4190, 49.6953



36.5380, 41.4190, 25.5912



34.0371, 41.4190, 66.6774

Complementary

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



48.4837, 41.4190, 49.6953



47.2604, 59.7554, 57.1899

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.



31.7841, 41.4190, 53.9244



48.4837, 41.4190, 49.6953



33.1502, 41.4190, 30.9065

Square

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



48.4837, 41.4190, 49.6953



40.9416, 41.4190, 24.8894



31.4723, 41.4190, 40.7938



37.8344, 41.4190, 74.0488

Rectangle

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



48.4837, 41.4190, 49.6953



46.3968, 41.4190, 31.0960



31.4723, 41.4190, 40.7938



33.0867, 41.4190, 62.7762

Sweetspot

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



48.4849, 41.4209, 49.6962



87.1067, 86.9570, 97.4861



44.9924, 39.1640, 70.1542



18.3434, 18.1207, 20.4254



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.



48.4849, 41.4209, 49.6962



66.5206, 53.8652, 65.7127



46.4721, 41.4382, 36.5617



12.6493, 12.5112, 14.0936



18.0531, 9.1576, 7.5838



1.1301, 0.5688, 0.6747

Inverse Universe

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



48.4849, 41.4209, 49.6962



66.5206, 53.8652, 65.7127



49.6952, 59.4907, 73.8298



12.6493, 12.5112, 14.0936



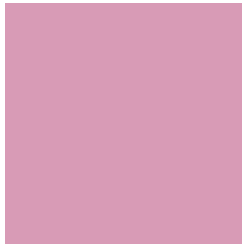
18.0531, 9.1576, 7.5838



1.1301, 0.5688, 0.6747

Previews

White Background



This preview shows how the XYZ color 48.4837, 41.4190, 49.6953 looks on a white background.

Color Contrast Check

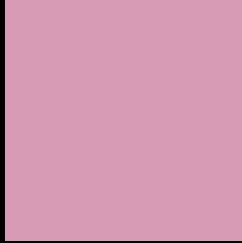
Large Text (above 18pt) WCAG AA × Fail

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 48.4837, 41.4190, 49.6953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

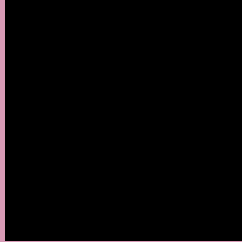
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4837, 41.4190, 49.6953

Background



This preview shows how black text looks on a background with the XYZ color 48.4837, 41.4190, 49.6953.



This preview shows how white text looks on a background with the XYZ color 48.4837, 41.4190,

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

48.4837, 41.4190, 49.6953

Protanopia

40.6549, 41.4776, 55.7324

Deuteranopia

42.3066, 41.3718, 48.9358



Tritanopia

46.9500, 41.2747, 43.0284

Trichromacy



Original Color

48.4837, 41.4190, 49.6953

Protanomaly

43.0258, 41.1059, 53.2435

Deuteranomaly

44.4636, 41.4009, 49.3637

Tritanomaly

47.5528, 41.2800, 45.5059

Monochromacy



Original Color

48.4837, 41.4190, 49.6953

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.5244, 42.2960, 47.9894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4837, 41.4190, 49.6953 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(216, 155, 182)` looks like.

```
.text, #text, p{  
    color:rgb(216, 155, 182)  
}
```

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(216, 155, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 155, 182) }
```

Border

The CSS property to change the border of an element to XYZ 48.4837, 41.4190, 49.6953 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(216, 155, 182) }
```


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

```
.border{ border-color:rgb(216, 155, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 155, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 155, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 155, 182);  
box-shadow:4px 4px 4px 4px rgb(216, 155,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4837, 41.4190, 49.6953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 155, 182) }
```

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

```
.background{ background-color: rgb(216,  
155, 182) }
```

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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