

Converting Colors

XYZ(50.9838, 42.0450, 57.5961)

Have a look what the booklet for
XYZ(50.9838, 42.0450, 57.5961)
contains.

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Color

**XYZ(50.8702, 41.9836,
57.6470)**

Conversions

Conversions Part 1

Format	Color
Hex	DC99C4
RGB	220, 153, 196
RGB Percent	86%, 60%, 77%
CMY	0.1373, 0.4000, 0.2314
CMYK	0.00, 0.30, 0.11, 0.14
HSL	321°, 49%, 73%
HSV	321°, 30%, 86%
XYZ	50.8702, 41.9836, 57.6470
YIQ	177.9350, 26.1290, 27.5770

Conversions

Conversions Part 2

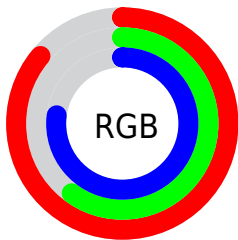
Format	Color
R_{YB}	220, 153, 196
Decimal	14457284
CIE _{Lab}	70.86, 31.56, -12.04
CIE _{LCh}	71, 33.779, 339.121
Yxy	41.9836, 0.3380, 0.2790
Android (android.graphics.Color)	4292647364 (0xFFDC99C4)
YUV	177.9350, 8.9060, 36.8910
Hunter-Lab	64.7948, 26.7491, -7.3932

Details

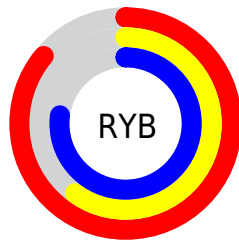
The XYZ color **50.8702, 41.9836, 57.6470** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.6676, 61.1342, 50.9381**, and the grayscale version is **42.2283, 44.4275, 48.3815**.

A 20% lighter version of the original color is **81.5255, 73.4636, 102.8115**, and **24.8460, 19.1529, 27.9785** is the 20% darker color. If you saturate the color by 10%, you get **46.7225, 35.0858, 51.9543**, and if you desaturate by 10%, it is **55.7314, 50.2317, 63.8109**.

Distribution



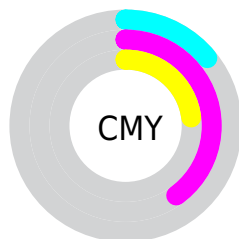
- Red (86%)
- Green (60%)
- Blue (77%)



- Red (86%)
- Yellow (60%)
- Blue (77%)



- Cyan (0%)
- Magenta (30%)
- Yellow (11%)
- Black (14%)





- Cyan (14%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8702, 41.9836, 57.6470 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 50.8702, 41.9836, 57.6470 by changing the saturation by 10% instead.

 50.8702, 41.9836,
57.6470


 50.8702, 41.9836,
57.6470


380.4553,
354.4149, 433.4308

 36.3259, 29.0885,
41.1121


 90.6470, 78.1748,
102.9183

 24.8573, 19.1477,
28.0863


 116.6103,
102.2396, 132.4918

 16.0989, 11.7771,
18.1511


147.1106,
130.7965, 167.2486

 9.6855, 6.5921,
10.8880

182.5133,
164.2298, 207.6072

 5.2516, 3.2083,
5.8783

223.1838,
202.9239, 253.9862

 2.4319, 1.2414,
2.7037

269.4873,

 0.8610, 0.0952,

247.2632, 306.8041

0.9453

321.7894,
297.6321, 366.4794

■ 0.0000, 0.0000,
0.0000

■ 50.8702, 41.9836,
57.6470

■ 50.8702, 41.9836,
57.6470

■ 46.7225, 35.0858,
51.9543

■ 55.7314, 50.2317,
63.8109

■ 43.2472, 29.4591,
46.7144

■ 61.3367, 59.8922,
70.4584

■ 40.4048, 25.0253,
41.9108

■ 67.7196, 71.0301,
77.6044

■ 38.1500, 21.6945,
37.5247

■ 74.9102, 83.7048,
85.2623

■ 36.4308, 19.3644,
33.5350

■ 80.3297, 92.7575,
92.5757

■ 35.1857, 17.9131,
29.9173

■ 81.4966, 93.2242,
98.7207

■ 34.3373, 17.1445,
26.7728

■ 82.7147, 93.7115,
105.1350

■ 83.3255, 93.9558,
108.3513

Harmonies

Analogous

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



47.1143, 41.9836, 74.1550



50.8702, 41.9836, 57.6470



51.5464, 41.9836, 40.9828

Triad

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



50.8702, 41.9836, 57.6470



38.2164, 41.9836, 21.4685



32.0977, 41.9836, 68.1395

Complementary

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



50.8702, 41.9836, 57.6470



46.6676, 61.1342, 50.9381

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.



30.1618, 41.9836, 50.7939



50.8702, 41.9836, 57.6470



33.4699, 41.9836, 25.6697

Square

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



50.8702, 41.9836, 57.6470



43.8785, 41.9836, 22.4747



30.6395, 41.9836, 35.5514



36.1773, 41.9836, 81.1328

Rectangle

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



50.8702, 41.9836, 57.6470



50.1028, 41.9836, 32.2515



30.6395, 41.9836, 35.5514



31.1929, 41.9836, 62.4793

Sweetspot

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



50.8714, 41.9855, 57.6479



86.8650, 85.7031, 99.7807



42.3177, 37.2346, 72.6674



18.3277, 17.8840, 21.0533



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.



50.8714, 41.9855, 57.6479



67.0017, 51.8587, 75.0253



47.5233, 40.6462, 40.0167



13.4061, 13.1915, 15.3996



20.2070, 10.0838, 16.0020



1.3497, 0.6695, 1.2504

Inverse Universe

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



50.8714, 41.9855, 57.6479



67.0017, 51.8587, 75.0253



50.3581, 62.6104, 70.3720



13.4061, 13.1915, 15.3996



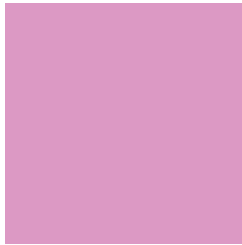
20.2070, 10.0838, 16.0020



1.3497, 0.6695, 1.2504

Previews

White Background



This preview shows how the XYZ color 50.8702, 41.9836, 57.6470 looks on a white background.

Color Contrast Check

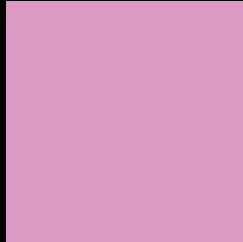
Large Text (above 18pt) WCAG AA × Fail

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 50.8702, 41.9836, 57.6470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

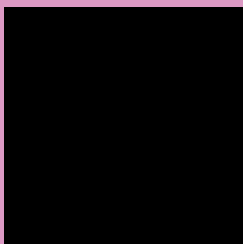
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8702, 41.9836, 57.6470

Background



This preview shows how black text looks on a background with the XYZ color 50.8702, 41.9836, 57.6470.



This preview shows how white text looks on a background with the XYZ color 50.8702, 41.9836,

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

50.8702, 41.9836, 57.6470

Protanopia

41.9870, 42.2155, 66.2571

Deuteranopia

43.1050, 42.1713, 56.3201



Tritanopia

48.0978, 42.1077, 43.6228

Trichromacy



Original Color

50.8702, 41.9836, 57.6470

Protanomaly

44.6039, 41.7090, 62.8265

Deuteranomaly

45.5997, 41.8252, 56.7086

Tritanomaly

48.9386, 41.9370, 48.1631

Monochromacy



Original Color

50.8702, 41.9836, 57.6470

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.9372, 43.2162, 51.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8702, 41.9836, 57.6470 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(220, 153, 196)` looks like.

```
.text, #text, p{  
    color:rgb(220, 153, 196)  
}
```

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(220, 153, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 153, 196) }
```

Border

The CSS property to change the border of an element to XYZ 50.8702, 41.9836, 57.6470 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(220, 153, 196) }
```


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

```
.border{ border-color:rgb(220, 153, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 153, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 153, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 153, 196);  
box-shadow:4px 4px 4px 4px rgb(220, 153,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8702, 41.9836, 57.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 153, 196) }
```

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

```
.background{ background-color: rgb(220,  
153, 196) }
```

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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