

Converting Colors

XYZ(47.0783, 39.6865, 51.9330)

Have a look what the booklet for
XYZ(47.0783, 39.6865, 51.9330)
contains.

XYZ(47.1876, 39.7181, 52.1930) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(47.1876, 39.7181,
52.1930)**

Conversions

Conversions Part 1

Format	Color
Hex	D497BB
RGB	212, 151, 187
RGB Percent	83%, 59%, 73%
CMY	0.1686, 0.4078, 0.2667
CMYK	0.00, 0.29, 0.12, 0.17
HSL	325°, 41%, 71%
HSV	325°, 29%, 83%
XYZ	47.1876, 39.7181, 52.1930
YIQ	173.3430, 24.8000, 24.1280

Conversions

Conversions Part 2

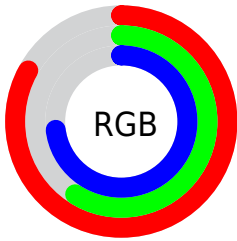
Format	Color
R_{YB}	212, 151, 187
Decimal	13932475
CIE _{Lab}	69.27, 28.38, -9.51
CIE _{LCh}	69, 29.928, 341.473
Yxy	39.7181, 0.3392, 0.2855
Android (android.graphics.Color)	4292122555 (0xFFD497BB)
YUV	173.3430, 6.7329, 33.9022
Hunter-Lab	63.0223, 23.3619, -4.9864

Details

The XYZ color **47.1876, 39.7181, 52.1930** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1441, 56.8019, 49.7141**, and the grayscale version is **39.8543, 41.9298, 45.6616**.

A 20% lighter version of the original color is **79.4890, 71.8737, 94.4775**, and **22.6695, 17.8130, 24.7977** is the 20% darker color. If you saturate the color by 10%, you get **43.1756, 33.1375, 46.4044**, and if you desaturate by 10%, it is **51.8718, 47.5518, 58.4842**.

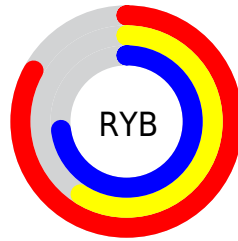
Distribution



Red (83%)

Green (59%)

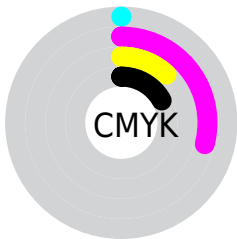
Blue (73%)



Red (83%)

Yellow (59%)

Blue (73%)

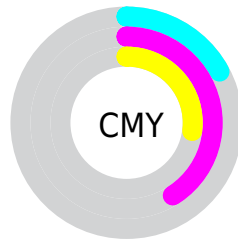


Cyan (0%)

Magenta (29%)

Yellow (12%)

Black (17%)



Cyan (17%)


Magenta (41%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1876, 39.7181, 52.1930 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 47.1876, 39.7181, 52.1930 by changing the saturation by 10% instead.


 47.1876, 39.7181,
52.1930


 47.1876, 39.7181,
52.1930


366.1993,
344.9340, 412.1594

 33.3926, 27.3188,
36.7756


 85.2106, 74.7341,
94.8453

 22.5880, 17.8128,
24.7394


 110.1693, 98.1195,
122.9173

 14.4086, 10.8157,
15.6658

139.5799,
125.9358, 156.0446

 8.4890, 5.9430,
9.1362

173.8078,
158.5674, 194.6457

 4.4638, 2.8105,
4.7321

213.2183,
196.3986, 239.1392

 1.9677, 1.0336,
2.0350

258.1768,

 0.6157, 0.0000,

239.8138, 289.9436

0.5766

309.0487,
289.1975, 347.4775

■ 0.0000, 0.0000,
0.0000

■ 47.1876, 39.7181,
52.1930

■ 47.1876, 39.7181,
52.1930

■ 43.1756, 33.1375,
46.4044

■ 51.8718, 47.5518,
58.4842

■ 39.7982, 27.7383,
41.0998

■ 57.2559, 56.6943,
65.2909

■ 37.0198, 23.4502,
36.2627

■ 63.3706, 67.2048,
72.6281

■ 34.7994, 20.1926,
31.8743

■ 70.2434, 79.1370,
80.5096

■ 33.0903, 17.8743,
27.9138

■ 77.2573, 91.2555,
88.7343

■ 31.8380, 16.3879,
24.3575

■ 78.5116, 91.7572,
95.3393

■ 30.9572, 15.5646,
21.1713

■ 79.8277, 92.2836,
102.2696

■ 30.8603, 15.4806,
20.8003

■ 80.9616, 92.7372,
108.2407

Harmonies

Analogous

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



44.1937, 39.7181, 66.2075



47.1876, 39.7181, 52.1930



47.5292, 39.7181, 38.2026

Triad

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



47.1876, 39.7181, 52.1930



35.9460, 39.7181, 22.1830



31.2540, 39.7181, 63.2021

Complementary

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



47.1876, 39.7181, 52.1930



44.1441, 56.8019, 49.7141

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.



29.4151, 39.7181, 48.7154



47.1876, 39.7181, 52.1930



31.9668, 39.7181, 26.3220

Square

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



47.1876, 39.7181, 52.1930



40.7576, 39.7181, 22.7263



29.6644, 39.7181, 35.3852



34.8957, 39.7181, 73.4340

Rectangle

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



47.1876, 39.7181, 52.1930



46.1752, 39.7181, 30.8705



29.6644, 39.7181, 35.3852



30.4190, 39.7181, 58.5533

Sweetspot

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



47.1888, 39.7199, 52.1938



86.6829, 85.6303, 98.8218



40.7211, 36.0490, 67.0998



18.2828, 17.8660, 20.8167



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.



47.1888, 39.7199, 52.1938



67.5407, 53.5256, 73.3897



44.3138, 38.5699, 37.0543



12.7276, 12.5426, 14.5060



19.1023, 9.5772, 13.1088



1.1928, 0.5939, 1.0048

Inverse Universe

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



47.1888, 39.7199, 52.1938



67.5407, 53.5256, 73.3897



47.4357, 58.1186, 67.0475



12.7276, 12.5426, 14.5060



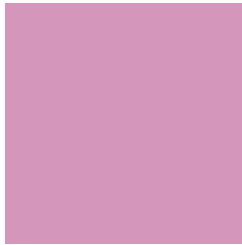
19.1023, 9.5772, 13.1088



1.1928, 0.5939, 1.0048

Previews

White Background



This preview shows how the XYZ color 47.1876, 39.7181, 52.1930 looks on a white background.

Color Contrast Check

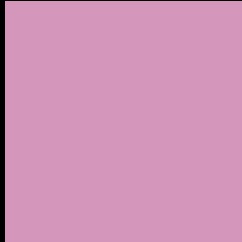
Large Text (above 18pt) WCAG AA × Fail

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 47.1876, 39.7181, 52.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

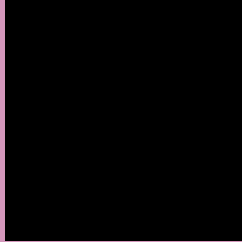
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1876, 39.7181, 52.1930

Background



This preview shows how black text looks on a background with the XYZ color 47.1876, 39.7181, 52.1930.



This preview shows how white text looks on a background with the XYZ color 47.1876, 39.7181,

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

47.1876, 39.7181, 52.1930

Protanopia

39.5055, 39.9750, 59.0599

Deuteranopia

40.6973, 39.9547, 50.9144



Tritanopia

44.9909, 39.7880, 41.8678

Trichromacy



Original Color

47.1876, 39.7181, 52.1930

Protanomaly

41.7140, 39.5595, 56.4761

Deuteranomaly

42.8136, 39.7208, 51.3093

Tritanomaly

45.7739, 39.8688, 45.3273

Monochromacy



Original Color

47.1876, 39.7181, 52.1930

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.9845, 40.6894, 47.7605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1876, 39.7181, 52.1930 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(212, 151, 187)` looks like.

```
.text, #text, p{  
    color:rgb(212, 151, 187)  
}
```

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(212, 151, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 151, 187) }
```

Border

The CSS property to change the border of an element to XYZ 47.1876, 39.7181, 52.1930 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(212, 151, 187) }
```


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

```
.border{ border-color:rgb(212, 151, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 151, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 151, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 151, 187);  
box-shadow:4px 4px 4px 4px rgb(212, 151,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1876, 39.7181, 52.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 151, 187) }
```

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

```
.background{ background-color: rgb(212,  
151, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor