

Converting Colors

XYZ(39.5074, 35.7588, 47.6827)

Have a look what the booklet for
XYZ(39.5074, 35.7588, 47.6827)
contains.

XYZ(39.4530, 35.8270, 47.4837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4530, 35.8270,
47.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	BA97B3
RGB	186, 151, 179
RGB Percent	73%, 59%, 70%
CMY	0.2706, 0.4078, 0.2980
CMYK	0.00, 0.19, 0.04, 0.27
HSL	312°, 20%, 66%
HSV	312°, 19%, 73%
XYZ	39.4530, 35.8270, 47.4837
YIQ	164.6570, 11.8720, 16.1280

Conversions

Conversions Part 2

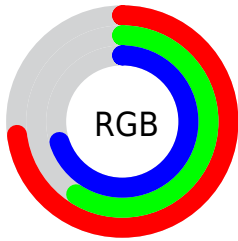
Format	Color
R_{YB}	186, 151, 179
Decimal	12228531
CIE Lab	66.39, 17.86, -9.62
CIE LCh	66, 20.286, 331.692
Yxy	35.8270, 0.3214, 0.2918
Android (android.graphics.Color)	4290418611 (0xFFBA97B3)
YUV	164.6570, 7.0711, 18.7178
Hunter-Lab	59.8557, 12.9083, -5.1360

Details

The XYZ color **39.4530, 35.8270, 47.4837** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.4944, 44.1668, 38.9514**, and the grayscale version is **35.5641, 37.4162, 40.7463**.

A 20% lighter version of the original color is **73.4447, 68.5380, 87.9555**, and **17.9959, 15.6072, 21.8027** is the 20% darker color. If you saturate the color by 10%, you get **36.3216, 30.1578, 44.6087**, and if you desaturate by 10%, it is **43.0689, 42.4479, 50.5712**.

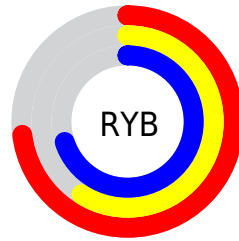
Distribution



Red (73%)

Green (59%)

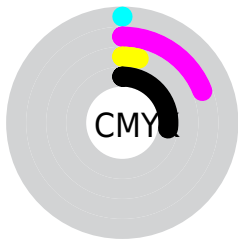
Blue (70%)



Red (73%)

Yellow (59%)

Blue (70%)

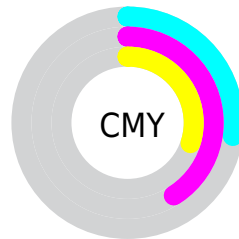


Cyan (0%)

Magenta (19%)

Yellow (4%)

Black (27%)



Cyan (27%)


Magenta (41%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4530, 35.8270, 47.4837 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 39.4530, 35.8270, 47.4837 by changing the saturation by 10% instead.


 39.4530, 35.8270,
47.4837


 39.4530, 35.8270,
47.4837


334.9867,
328.2038, 393.1915

 27.2946, 24.3006,
33.0611

 73.6195, 68.7650,
87.7927

 17.9323, 15.5568,
21.9018


 96.3583, 90.9453,
114.5162

 11.0008, 9.2111,
13.5871


123.3547,
117.4458, 146.1771

 6.1347, 4.8791,
7.6986

154.9739,
148.6508, 183.1940

 2.9686, 2.1765,
3.8177

191.5814,
184.9447, 225.9853

 1.1372, 0.7071,
1.5259

233.5424,

 0.0559, 0.0000,

226.7119, 274.9696

0.2371

281.2224,
274.3368, 330.5655

■ 0.0000, 0.0000,
0.0000

■ 39.4530, 35.8270,
47.4837

■ 39.4530, 35.8270,
47.4837

■ 36.3216, 30.1578,
44.6087

■ 43.0689, 42.4479,
50.5712

■ 33.6494, 25.3914,
41.9360

■ 47.1869, 50.0572,
53.8760

■ 31.4135, 21.4816,
39.4581

■ 51.8275, 58.6951,
57.4060

■ 29.5878, 18.3764,
37.1659

■ 57.0092, 68.3986,
61.1675

■ 28.1433, 16.0178,
35.0492

■ 62.7495, 79.2025,
65.1669

■ 27.0472, 14.3403,
33.0968

■ 66.5907, 86.1915,
68.5852

■ 26.2608, 13.2669,
31.2953

■ 67.0348, 86.3692,
70.9234

■ 25.7177, 12.6646,
29.6222

■ 67.4895, 86.5510,
73.3180

■ 25.6585, 12.6027,
29.4288

■ 67.9550, 86.7372,
75.7691

Harmonies

Analogous

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



37.2112, 35.8270, 55.0282



39.4530, 35.8270, 47.4837



40.2250, 35.8270, 38.5180

Triad

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



39.4530, 35.8270, 47.4837



33.8804, 35.8270, 24.5752



29.3245, 35.8270, 48.4650

Complementary

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



39.4530, 35.8270, 47.4837



36.4944, 44.1668, 38.9514

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.



28.5461, 35.8270, 39.5052



39.4530, 35.8270, 47.4837



31.0778, 35.8270, 26.4469

Square

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



39.4530, 35.8270, 47.4837



36.8954, 35.8270, 26.0678



29.1688, 35.8270, 31.6088



31.3595, 35.8270, 55.6513

Rectangle

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



39.4530, 35.8270, 47.4837



39.7678, 35.8270, 33.1524



29.1688, 35.8270, 31.6088



28.9128, 35.8270, 45.5188

Sweetspot

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



39.4541, 35.8286, 47.4845



79.9996, 80.5039, 93.2494



34.0316, 32.9493, 51.0212



17.5132, 17.5364, 20.4502



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4541, 35.8286, 47.4845



68.8138, 60.0396, 83.6411



37.7948, 35.1649, 38.7469



9.3019, 9.1311, 10.9370



17.2891, 8.4894, 19.9411



0.6294, 0.3072, 0.8076

Inverse Universe

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



39.4541, 35.8286, 47.4845



68.8138, 60.0396, 83.6411



38.1097, 44.8129, 47.4576



9.3019, 9.1311, 10.9370



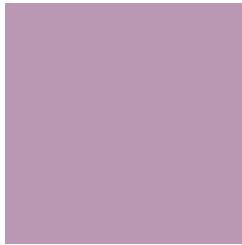
17.2891, 8.4894, 19.9411



0.6294, 0.3072, 0.8076

Previews

White Background



This preview shows how the XYZ color 39.4530, 35.8270, 47.4837 looks on a white background.

Color Contrast Check

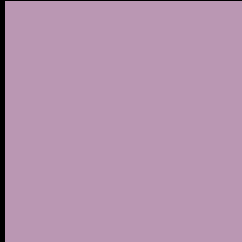
Large Text (above 18pt) WCAG AA × Fail

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 39.4530, 35.8270, 47.4837 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 39.4530, 35.8270, 47.4837

Background



This preview shows how black text looks on a background with the XYZ color 39.4530, 35.8270, 47.4837.



This preview shows how white text looks on a background with the XYZ color 39.4530, 35.8270,

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

39.4530, 35.8270, 47.4837

Protanopia

35.2324, 35.8125, 50.9545

Deuteranopia

36.6704, 35.8743, 47.1112



Tritanopia

37.9499, 35.6894, 40.4859

Trichromacy



Original Color

39.4530, 35.8270, 47.4837

Protanomaly

36.7527, 35.8577, 49.7839

Deuteranomaly

37.6617, 35.8871, 47.0614

Tritanomaly

38.4915, 35.6730, 42.8871

Monochromacy



Original Color

39.4530, 35.8270, 47.4837

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.0601, 36.9281, 43.2048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4530, 35.8270, 47.4837 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(186, 151, 179)` looks like.

```
.text, #text, p{  
    color:rgb(186, 151, 179)  
}
```

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(186, 151, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 151, 179) }
```

Border

The CSS property to change the border of an element to XYZ 39.4530, 35.8270, 47.4837 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(186, 151, 179) }
```


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

```
.border{ border-color:rgb(186, 151, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 151, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 151, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 151, 179);  
box-shadow:4px 4px 4px 4px rgb(186, 151,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4530, 35.8270, 47.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 151, 179) }
```

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

```
.background{ background-color: rgb(186,  
151, 179) }
```

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