

Converting Colors

XYZ(42.1418, 38.0314, 55.2569)

Have a look what the booklet for
XYZ(42.1418, 38.0314, 55.2569)
contains.

XYZ(41.9748, 37.9398, 54.9800)	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(41.9748, 37.9398,
54.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9BC0
RGB	188, 155, 192
RGB Percent	74%, 61%, 75%
CMY	0.2627, 0.3921, 0.2471
CMYK	0.02, 0.19, 0.00, 0.25
HSL	294°, 23%, 68%
HSV	294°, 19%, 75%
XYZ	41.9748, 37.9398, 54.9800
YIQ	169.0850, 7.7910, 18.5030

Conversions

Conversions Part 2

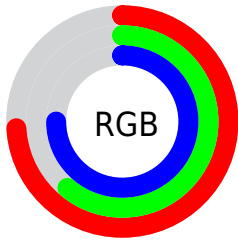
Format	Color
RYB	188, 155, 192
Decimal	12360640
CIELab	67.98, 18.80, -14.48
CIELCh	68, 23.723, 322.398
Yxy	37.9398, 0.3112, 0.2813
Android (android.graphics.Color)	4290550720 (0xFFBC9BC0)
YUV	169.0850, 11.2971, 16.5885
Hunter-Lab	61.5953, 13.8491, -9.8056

Details

The XYZ color **41.9748, 37.9398, 54.9800** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.0655, 47.4377, 38.1096**, and the grayscale version is **37.6982, 39.6615, 43.1913**.

A 20% lighter version of the original color is **77.2981, 72.1036, 98.6503**, and **19.3693, 16.8039, 26.2674** is the 20% darker color. If you saturate the color by 10%, you get **38.5228, 31.7888, 53.9752**, and if you desaturate by 10%, it is **45.9445, 45.1140, 56.1561**.

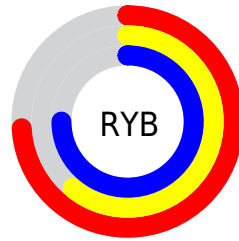
Distribution



Red (74%)

Green (61%)

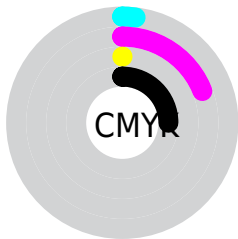
Blue (75%)



Red (74%)

Yellow (61%)

Blue (75%)

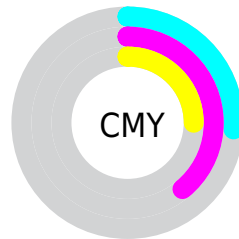


Cyan (2%)

Magenta (19%)

Yellow (0%)

Black (25%)



Cyan (26%)


Magenta (39%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9748, 37.9398, 54.9800 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 41.9748, 37.9398, 54.9800 by changing the saturation by 10% instead.


 41.9748, 37.9398,
54.9800


 41.9748, 37.9398,
54.9800


345.3719,
337.3617, 423.1159

 29.2726, 25.9360,
38.9872


 77.4269, 72.0159,
98.9825

 19.4324, 16.7757,
26.4420


 100.9075, 94.8569,
127.8293

 12.0890, 10.0747,
16.9259


128.7115,
122.0791, 161.7979

 6.8770, 5.4485,
10.0203

161.2045,
154.0669, 201.3067

 3.4309, 2.5128,
5.3066

198.7516,
191.2046, 246.7744

 1.3855, 0.8830,
2.3664

241.7183,

 0.2459, 0.0000,

233.8767, 298.6195

0.7681

290.4700,
282.4676, 357.2605

■ 0.0000, 0.0000,
0.0000

■ 41.9748, 37.9398,
54.9800

■ 41.9748, 37.9398,
54.9800

■ 38.5228, 31.7888,
53.9752

■ 45.9445, 45.1140,
56.1561

■ 35.5610, 26.6081,
53.1314

■ 50.4510, 53.3512,
57.5085

■ 33.0648, 22.3477,
52.4406

■ 55.5162, 62.6952,
59.0451

■ 31.0057, 18.9508,
51.8934

■ 61.1603, 73.1857,
60.7725

■ 29.3524, 16.3545,
51.4795

■ 67.4021, 84.8606,
62.6970

■ 28.0690, 14.4876,
51.1867

■ 69.2158, 87.6680,
63.1433

■ 27.1135, 13.2658,
51.0013

■ 69.7757, 87.9566,
63.1695

■ 26.4107, 12.5387,
50.8980

■ 70.3431, 88.2491,
63.1961

■ 26.3623, 12.4912,
50.8914

■ 70.9181, 88.5455,
63.2230

Harmonies

Analogous

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



38.8304, 37.9398, 63.0717



41.9748, 37.9398, 54.9800



43.5550, 37.9398, 44.0548

Triad

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



41.9748, 37.9398, 54.9800



37.0067, 37.9398, 24.2744



29.8945, 37.9398, 49.5406

Complementary

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



41.9748, 37.9398, 54.9800



39.0655, 47.4377, 38.1096

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.



29.4794, 37.9398, 38.6817



41.9748, 37.9398, 54.9800



33.4258, 37.9398, 25.2364

Square

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



41.9748, 37.9398, 54.9800



40.5622, 37.9398, 27.2202



30.7299, 37.9398, 30.1174



31.9051, 37.9398, 59.5767

Rectangle

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



41.9748, 37.9398, 54.9800



43.4383, 37.9398, 37.1017



30.7299, 37.9398, 30.1174



29.5696, 37.9398, 45.8250

Sweetspot

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



41.9760, 37.9414, 54.9808



85.7315, 86.2662, 102.4928



35.4862, 35.6814, 54.8866



18.2802, 18.3026, 21.9546



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



41.9760, 37.9414, 54.9808



73.3817, 63.9582, 98.8378



41.4782, 37.8578, 47.1453



10.3866, 10.1904, 12.7044



17.7788, 8.4257, 34.2459



0.7995, 0.3802, 1.4811

Inverse Universe

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



39.7189, 37.1540, 37.8807



68.5978, 62.2975, 62.2211



39.5472, 47.5403, 44.7197



10.1165, 10.0952, 10.7039



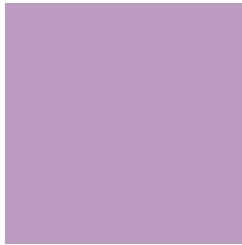
14.7316, 7.5824, 1.2326



0.6516, 0.3337, 0.1330

Previews

White Background



This preview shows how the XYZ color 41.9748, 37.9398, 54.9800 looks on a white background.

Color Contrast Check

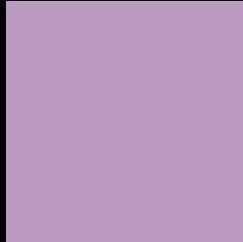
Large Text (above 18pt) WCAG AA × Fail

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 41.9748, 37.9398, 54.9800 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 41.9748, 37.9398, 54.9800

Background



This preview shows how black text looks on a background with the XYZ color 41.9748, 37.9398, 54.9800.



This preview shows how white text looks on a background with the XYZ color 41.9748, 37.9398,

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

41.9748, 37.9398, 54.9800

Protanopia

37.7666, 37.9991, 58.7701

Deuteranopia

38.9019, 38.1483, 54.6032



Tritanopia

39.7564, 38.0508, 43.7772

Trichromacy



Original Color

41.9748, 37.9398, 54.9800

Protanomaly

39.2862, 38.0213, 57.4928

Deuteranomaly

39.9336, 37.9050, 54.5019

Tritanomaly

40.6132, 38.1475, 47.8705

Monochromacy



Original Color

41.9748, 37.9398, 54.9800

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.1158, 38.9554, 47.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9748, 37.9398, 54.9800 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(188, 155, 192)` looks like.

```
.text, #text, p{  
    color:rgb(188, 155, 192)  
}
```

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(188, 155, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 155, 192) }
```

Border

The CSS property to change the border of an element to XYZ 41.9748, 37.9398, 54.9800 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(188, 155, 192) }
```


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

```
.border{ border-color:rgb(188, 155, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 155, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 155, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 155, 192);  
box-shadow:4px 4px 4px 4px rgb(188, 155,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9748, 37.9398, 54.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 155, 192) }
```

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

```
.background{ background-color: rgb(188,  
155, 192) }
```

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