

Converting Colors

CIELCh(54, 42.858, 325.995)

Have a look what the booklet for
CIELCh(54, 42.858, 325.995)
contains.

CIELCh(54, 42.810, 325.964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(54, 42.810, 325.964)

Conversions

Conversions Part 1

Format	Color
Hex	AA6BAB
RGB	170, 107, 171
RGB Percent	67%, 42%, 67%
CMY	0.3336, 0.5807, 0.3297
CMYK	0.01, 0.37, 0.00, 0.33
HSL	299°, 28%, 54%
HSV	299°, 37%, 67%
XYZ	29.1536, 21.9746, 41.1940
YIQ	133.1330, 17.0040, 33.2600

Conversions

Conversions Part 2

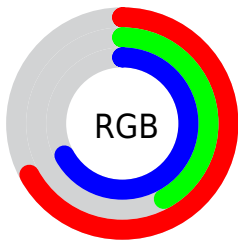
Format	Color
R _{YB}	170, 107, 171
Decimal	11168683
CIE _{Lab}	54.00, 35.48, -23.96
CIE _{LCh}	54, 42.810, 325.964
Yxy	21.9746, 0.3158, 0.2380
Android (android.graphics.Color)	4289358763 (0xFFAA6BAB)
YUV	133.1330, 18.6684, 32.3324
Hunter-Lab	46.8770, 28.9772, -19.2882

Details

The CIELCh color $54, 42.810, 325.964$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 42.818, 141.362$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 42.721, 325.619$, and $34, 43.182, 325.567$ is the 20% darker color. If you saturate the color by 10%, you get $50, 53.504, 326.427$, and if you desaturate by 10%, it is $58, 31.551, 325.463$.

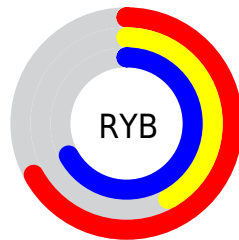
Distribution



Red (67%)

Green (42%)

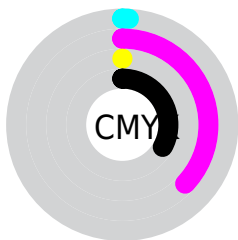
Blue (67%)



Red (67%)

Yellow (42%)

Blue (67%)

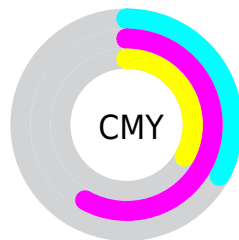


Cyan (1%)

Magenta (37%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (58%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 42.810, 325.964 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 CIELCh color 54, 42.810, 325.964 by changing the saturation by 10% instead.


 54, 42.810,
325.964

 54, 42.810,
325.964


 100, 42.810,
325.964

 44, 42.810,
325.964


 74, 42.810,
325.964

 34, 42.810,
325.964

 84, 42.810,
325.964

 24, 42.810,
325.964

 94, 42.810,
325.964

 14, 42.810,
325.964

 4, 42.810, 325.964

 0, 42.810, 325.964

54, 42.810,
325.964

54, 42.810,
325.964

50, 53.504,
326.427

58, 31.551,
325.463

47, 63.251,
326.833

62, 20.041,
324.937

44, 71.612,
327.166

67, 8.508, 324.393

42, 78.177,
327.410

71, 2.893, 143.972

41, 82.666,
327.555

76, 14.062,
143.396

40, 85.160,
327.609

80, 24.940,
142.894

40, 85.689,
327.618

85, 35.496,
142.419

90, 45.721,
141.970

■ 93, 52.299,
141.664

Harmonies

Complementary

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



54, 42.810, 325.964



64, 42.818, 141.362

Rectangle

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



54, 42.810, 325.964



54, 42.810, 15.964



54, 42.810, 145.964



54, 42.810, 195.964

Sweetspot

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



54, 42.808, 325.964



82, 15.587, 324.600



48, 37.107, 294.384



43, 10.565, 324.672



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



54, 42.808, 325.964



65, 62.929, 326.354



53, 31.202, 346.282



34, 6.558, 324.497



35, 78.012, 327.624



2, 13.754, 323.822

Inverse Universe

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



52, 27.635, 21.668



62, 42.147, 23.050



65, 29.964, 159.223



34, 3.817, 18.641



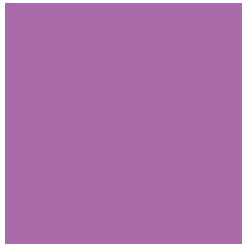
31, 69.409, 38.823



2, 7.805, 18.342

Previews

White Background



This preview shows how the CIELCh color 54, 42.810, 325.964 looks on a white background.

Color Contrast Check

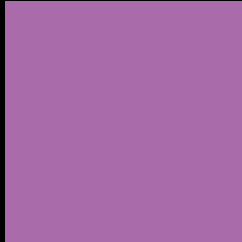
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 54, 42.810, 325.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

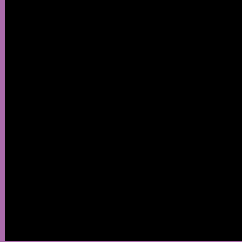
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 42.810, 325.964

Background



This preview shows how black text looks on a background with the CIELCh color 54, 42.810, 325.964.



This preview shows how white text looks on a background with the CIELCh color 54, 42.810, 325.964.

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

54, 42.810, 325.964

Protanopia

54, 34.753, 285.550

Deuteranopia

54, 23.088, 288.671



Tritanopia
54, 20.404, 7.356

Trichromacy



Original Color
54, 42.810, 325.964

Protanomaly
54, 35.581, 300.723

Deuteranomaly
54, 28.665, 306.936

Tritanomaly
54, 26.481, 343.975

Monochromacy



Original Color
54, 42.810, 325.964

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 15.756, 324.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 42.810, 325.964 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(170, 107, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 171)  
}
```

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(170, 107, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 42.810, 325.964 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(170, 107, 171) }
```

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

```
.border{ border-color:rgb(170, 107, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 107, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 42.810, 325.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 171) }
```

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

```
.background{ background-color: rgb(170,  
107, 171) }
```

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