

Converting Colors

CIELCh(58, 22.770, 342.859)

Have a look what the booklet for
CIELCh(58, 22.770, 342.859)
contains.

CIELCh(58, 23.074, 342.516)	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(58, 23.074, 342.516)

Conversions

Conversions Part 1

Format	Color
Hex	AC7E98
RGB	172, 126, 152
RGB Percent	67%, 49%, 60%
CMY	0.3255, 0.5058, 0.4039
CMYK	0.00, 0.27, 0.12, 0.33
HSL	326°, 22%, 58%
HSV	326°, 27%, 67%
XYZ	30.1433, 25.9610, 33.1296
YIQ	142.7180, 19.0700, 17.8380

Conversions

Conversions Part 2

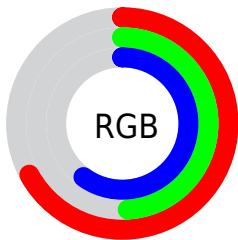
Format	Color
R_{YB}	172, 126, 152
Decimal	11304600
CIE _{Lab}	58.00, 22.01, -6.93
CIE _{LCh}	58, 23.074, 342.516
Yxy	25.9610, 0.3378, 0.2909
Android (android.graphics.Color)	4289494680 (0xFFAC7E98)
YUV	142.7180, 4.5760, 25.6803
Hunter-Lab	50.9519, 16.4351, -2.8848

Details

The CIELCh color $58, 23.074, 342.516$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $67, 22.542, 158.011$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 23.050, 342.798$, and $38, 23.315, 342.484$ is the 20% darker color. If you saturate the color by 10%, you get $54, 31.700, 343.523$, and if you desaturate by 10%, it is $63, 14.360, 341.608$.

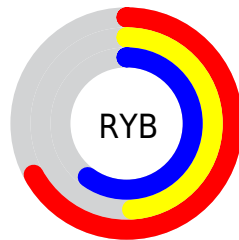
Distribution



Red (67%)

Green (49%)

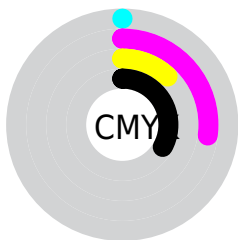
Blue (60%)



Red (67%)

Yellow (49%)

Blue (60%)

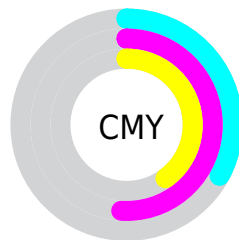


Cyan (0%)

Magenta (27%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (51%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 23.074, 342.516 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 58, 23.074, 342.516 by changing the saturation by 10% instead.


 58, 23.074,
342.516


 58, 23.074,
342.516


 100, 23.074,
342.516


 48, 23.074,
342.516


 78, 23.074,
342.516

 38, 23.074,
342.516

 88, 23.074,
342.516

 28, 23.074,
342.516

 98, 23.074,
342.516

 18, 23.074,
342.516

 8, 23.074, 342.516

 0, 23.074, 342.516

58, 23.074,
342.516

58, 23.074,
342.516

54, 31.700,
343.523

63, 14.360,
341.608

50, 40.000,
344.661

67, 5.728, 340.754

46, 47.637,
345.976

72, 2.724, 160.188

77, 10.941,
159.401

43, 54.199,
347.537

82, 18.897,
158.745

40, 59.257,
349.439

86, 26.587,
158.141

39, 62.483,
351.804


91, 34.016,
157.581

37, 63.879,
354.745

94, 36.302,
159.514

37, 64.213,

355.758

 94, 33.793,
164.385

Harmonies

Complementary

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



58, 23.074, 342.516



67, 22.542, 158.011

Rectangle

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



58, 23.074, 342.516



58, 23.074, 32.516



58, 23.074, 162.516



58, 23.074, 212.516

Sweetspot

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



58, 23.072, 342.517



85, 8.451, 340.875



56, 27.421, 308.093



44, 6.007, 341.000



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



58, 23.072, 342.517



71, 34.304, 343.090



57, 19.049, 16.333



34, 4.855, 340.974



32, 58.287, 355.345



2, 9.510, 345.293

Inverse Universe

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



58, 23.072, 342.517



71, 34.304, 343.090



67, 16.314, 192.056



34, 4.855, 340.974



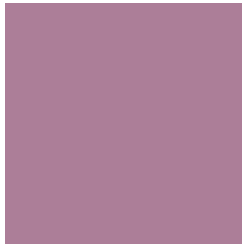
32, 58.287, 355.345



2, 9.510, 345.293

Previews

White Background



This preview shows how the CIELCh color 58, 23.074, 342.516 looks on a white background.

Color Contrast Check

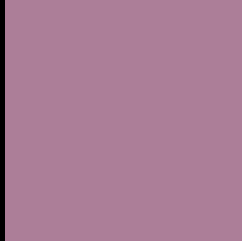
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 23.074, 342.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

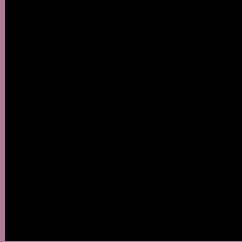
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 23.074, 342.516

Background



This preview shows how black text looks on a background with the CIELCh color 58, 23.074, 342.516.



This preview shows how white text looks on a background with the CIELCh color 58, 23.074, 342.516.

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
58, 23.074, 342.516

Protanopia
58, 11.966, 286.299

Deuteranopia
58, 9.244, 320.894



Tritanopia
58, 17.798, 2.973

Trichromacy



Original Color
58, 23.074, 342.516

Protanomaly
58, 14.330, 314.793

Deuteranomaly
58, 14.517, 332.965

Tritanomaly
58, 19.635, 354.304

Monochromacy



Original Color
58, 23.074, 342.516

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 8.399, 342.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 23.074, 342.516 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(172, 126, 152)` looks like.

```
.text, #text, p{  
    color:rgb(172, 126, 152)  
}
```

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(172, 126, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 126, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 23.074, 342.516 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(172, 126, 152) }
```

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

```
.border{ border-color:rgb(172, 126, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 126, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 126, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 126, 152); box-shadow:4px 4px 4px 4px rgb(172, 126, 152) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 23.074, 342.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 126, 152) }
```

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

```
.background{ background-color: rgb(172,  
126, 152) }
```

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