

Converting Colors

CIELCh(58, 23.754, 307.336)

Have a look what the booklet for
CIELCh(58, 23.754, 307.336)
contains.

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Color

CIELCh(58, 23.699, 307.607)

Conversions

Conversions Part 1

Format	Color
Hex	9584AC
RGB	149, 132, 172
RGB Percent	58%, 52%, 67%
CMY	0.4148, 0.4815, 0.3246
CMYK	0.13, 0.23, 0.00, 0.32
HSL	266°, 19%, 60%
HSV	266°, 23%, 68%
XYZ	28.1860, 25.9610, 42.6722
YIQ	141.6430, -2.7080, 16.0440

Conversions

Conversions Part 2

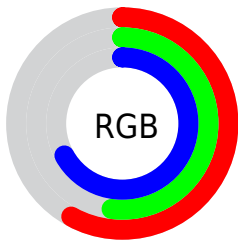
Format	Color
RYB	149, 132, 172
Decimal	9798828
CIELab	58.00, 14.46, -18.77
CIELCh	58, 23.699, 307.607
Yxy	25.9610, 0.2911, 0.2681
Android (android.graphics.Color)	4287988908 (0xFF9584AC)
YUV	141.6430, 14.9660, 6.4521
Hunter-Lab	50.9519, 9.5782, -13.9890

Details

The CIELCh color $58, 23.699, 307.607$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $68, 22.843, 125.290$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 23.487, 307.479$, and $38, 24.278, 307.917$ is the 20% darker color. If you saturate the color by 10%, you get $53, 34.371, 308.208$, and if you desaturate by 10%, it is $63, 13.295, 307.051$.

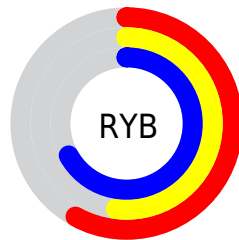
Distribution



Red (58%)

Green (52%)

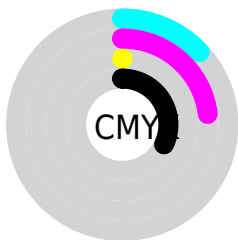
Blue (67%)



Red (58%)

Yellow (52%)

Blue (67%)

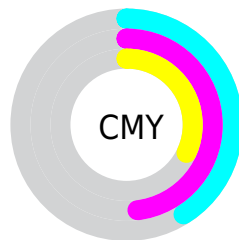


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (32%)



Cyan (41%)


Magenta (48%)

Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 23.699, 307.607 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, 23.699, 307.607 by changing the saturation by 10% instead.


 58, 23.699,
307.607


 58, 23.699,
307.607


 100, 23.699,
307.607


 48, 23.699,
307.607


 78, 23.699,
307.607

 38, 23.699,
307.607

 88, 23.699,
307.607

 28, 23.699,
307.607

 98, 23.699,
307.607

 18, 23.699,
307.607

 8, 23.699, 307.607

 0, 23.699, 307.607

58, 23.699,
307.607

58, 23.699,
307.607

53, 34.371,
308.208

63, 13.295,
307.051

47, 45.233,
308.841

69, 3.201, 306.532

42, 56.124,
309.478

74, 6.576, 126.125

38, 66.751,
310.068

79, 16.038,
125.725

33, 76.635,
310.532

85, 25.195,
125.379

29, 85.073,
310.756

90, 34.062,
125.078


27, 91.243,
310.608

95, 42.654,
124.818

25, 94.420,

96, 42.791,
120.735

310.385

 97, 41.994,
115.796

Harmonies

Complementary

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



58, 23.699, 307.607



68, 22.843, 125.290

Rectangle

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



58, 23.699, 307.607



58, 23.699, 357.607



58, 23.699, 127.607



58, 23.699, 177.607

Sweetspot

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



58, 23.697, 307.606



85, 8.645, 306.734



63, 12.217, 248.954



44, 5.614, 306.763



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, 23.697, 307.606



71, 35.689, 307.918



60, 26.386, 323.305



34, 5.687, 306.846



21, 85.368, 310.504



1, 11.700, 303.541

Inverse Universe

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



60, 20.164, 341.690



73, 30.196, 342.181



67, 26.274, 140.846



34, 4.888, 340.490



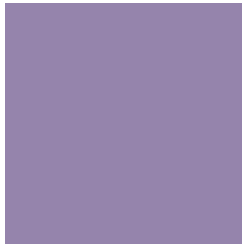
32, 58.503, 354.491



2, 9.571, 344.767

Previews

White Background



This preview shows how the CIELCh color 58, 23.699, 307.607 looks on a white background.

Color Contrast Check

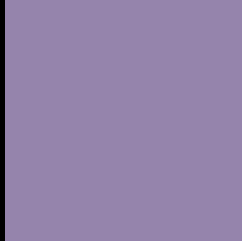
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 23.699, 307.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

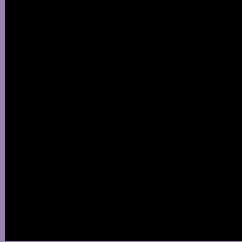
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 23.699, 307.607

Background



This preview shows how black text looks on a background with the CIELCh color 58, 23.699, 307.607.



This preview shows how white text looks on a background with the CIELCh color 58, 23.699, 307.607.

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, 23.699, 307.607

Protanopia

58, 21.707, 285.385

Deuteranopia

58, 19.350, 292.381



Tritanopia
58, 6.506, 319.077

Trichromacy



Original Color
58, 23.699, 307.607

Protanomaly
58, 22.220, 293.597

Deuteranomaly
58, 20.670, 298.422

Tritanomaly
58, 12.843, 312.081

Monochromacy



Original Color
58, 23.699, 307.607

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 8.967, 308.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 23.699, 307.607 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(149, 132, 172)` looks like.

```
.text, #text, p{  
    color:rgb(149, 132, 172)  
}
```

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(149, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 132, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 23.699, 307.607 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(149, 132, 172) }
```

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

```
.border{ border-color:rgb(149, 132, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 132, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 132, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 132, 172);  
box-shadow:4px 4px 4px 4px rgb(149, 132,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 23.699, 307.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 132, 172) }
```

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

```
.background{ background-color: rgb(149,  
132, 172) }
```

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](#).

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