

Converting Colors

CIELCh(64, 34.804, 299.257)

Have a look what the booklet for
CIELCh(64, 34.804, 299.257)
contains.

CIELCh(64, 34.918, 299.691)	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(64, 34.918, 299.691)

Conversions

Conversions Part 1

Format	Color
Hex	9E93D1
RGB	158, 147, 209
RGB Percent	62%, 58%, 82%
CMY	0.3798, 0.4230, 0.1798
CMYK	0.24, 0.30, 0.00, 0.18
HSL	251°, 40%, 70%
HSV	251°, 30%, 82%
XYZ	36.1075, 32.8017, 64.8408
YIQ	157.3570, -13.3460, 21.6140

Conversions

Conversions Part 2

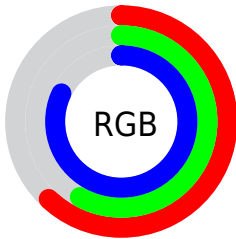
Format	Color
RYB	158, 147, 209
Decimal	10392529
CIELab	64.00, 17.30, -30.33
CIELCh	64, 34.918, 299.691
Yxy	32.8017, 0.2700, 0.2452
Android (android.graphics.Color)	4288582609 (0xFF9E93D1)
YUV	157.3570, 25.4600, 0.5639
Hunter-Lab	57.2727, 12.3078, -27.0337

Details

The CIELCh color $64, 34.918, 299.691$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $82, 32.642, 115.014$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 28.977, 301.097$, and $44, 35.015, 299.781$ is the 20% darker color. If you saturate the color by 10%, you get $57, 47.593, 300.816$, and if you desaturate by 10%, it is $71, 22.694, 298.701$.

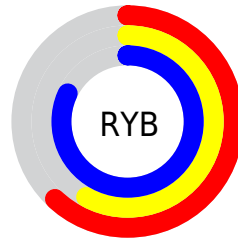
Distribution



Red (62%)

Green (58%)

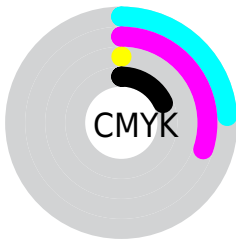
Blue (82%)



Red (62%)

Yellow (58%)

Blue (82%)

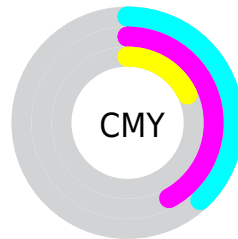


Cyan (24%)

Magenta (30%)

Yellow (0%)

Black (18%)



Cyan (38%)


Magenta (42%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 34.918, 299.691 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 64, 34.918, 299.691 by changing the saturation by 10% instead.

 64, 34.918,
299.691


 64, 34.918,
299.691


 100, 34.918,
299.691


 54, 34.918,
299.691


 84, 34.918,
299.691

 44, 34.918,
299.691

 94, 34.918,
299.691

 34, 34.918,
299.691

 24, 34.918,
299.691

 14, 34.918,
299.691

 4, 34.918, 299.691

 0, 34.918, 299.691

64, 34.918,
299.691

64, 34.918,
299.691

57, 47.593,
300.816

71, 22.694,
298.701

51, 60.654,
302.069

77, 10.933,
297.841

44, 73.903,
303.410

84, 0.381, 117.107

38, 86.884,
304.752

91, 11.273,
116.462

33, 98.703,
305.932

97, 21.769,
115.914

29, 107.959,
306.720

99, 23.160,
108.422

27, 113.708,
307.016

27, 113.890,

Harmonies

Complementary

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



64, 34.918, 299.691



82, 32.642, 115.014

Rectangle

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



64, 34.918, 299.691



64, 34.918, 349.691



64, 34.918, 119.691



64, 34.918, 169.691

Sweetspot

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



64, 34.917, 299.691



93, 11.967, 297.797



77, 17.816, 216.510



48, 8.338, 297.915



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 34.917, 299.691



72, 50.449, 300.437



67, 37.251, 315.940



40, 6.426, 297.822



20, 96.750, 307.121



2, 25.745, 297.700

Inverse Universe

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



68, 35.723, 331.608



78, 50.747, 332.056



80, 36.323, 133.287



41, 6.804, 330.299



38, 73.798, 336.745



5, 27.129, 334.605

Previews

White Background



This preview shows how the CIELCh color 64, 34.918, 299.691 looks on a white background.

Color Contrast Check

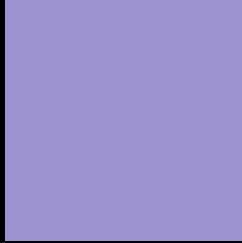
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 34.918, 299.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

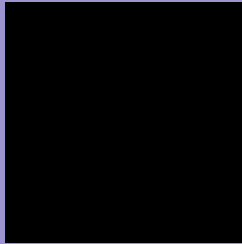
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 34.918, 299.691

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.918, 299.691.



This preview shows how white text looks on a background with the CIELCh color 64, 34.918, 299.691.

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

64, 34.918, 299.691

Protanopia

64, 34.185, 285.317

Deuteranopia

64, 30.778, 286.194



Tritanopia
64, 6.908, 275.444

Trichromacy



Original Color
64, 34.918, 299.691

Protanomaly
64, 34.029, 290.489

Deuteranomaly
64, 31.801, 291.153

Tritanomaly
64, 16.774, 293.170

Monochromacy



Original Color
64, 34.918, 299.691

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 12.945, 297.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.918, 299.691 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(158, 147, 209)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 209)  
}
```

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(158, 147, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.918, 299.691 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(158, 147, 209) }
```

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

```
.border{ border-color:rgb(158, 147, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 209);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.918, 299.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 209) }
```

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

```
.background{ background-color: rgb(158,  
147, 209) }
```

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