

Converting Colors

CIELCh(67, 22.890, 314.736)

Have a look what the booklet for
CIELCh(67, 22.890, 314.736)
contains.

CIELCh(67, 22.966, 315.214)	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(67, 22.966, 315.214)

Conversions

Conversions Part 1

Format	Color
Hex	B39AC0
RGB	179, 154, 192
RGB Percent	70%, 60%, 75%
CMY	0.2970, 0.3950, 0.2460
CMYK	0.07, 0.20, 0.00, 0.25
HSL	279°, 23%, 68%
HSV	279°, 20%, 75%
XYZ	39.7967, 36.6320, 55.0010
YIQ	165.8070, 2.7020, 17.1180

Conversions

Conversions Part 2

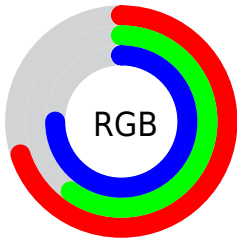
Format	Color
RYB	179, 154, 192
Decimal	11770560
CIELab	67.00, 16.30, -16.18
CIElCh	67, 22.966, 315.214
Yxy	36.6320, 0.3028, 0.2787
Android (android.graphics.Color)	4289960640 (0xFFB39AC0)
YUV	165.8070, 12.9131, 11.5703
Hunter-Lab	60.5244, 11.4519, -11.5123

Details

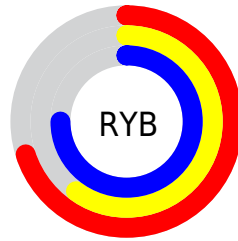
The CIELCh color $67, 22.966, 315.214$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $75, 22.571, 133.518$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 23.055, 315.615$, and $47, 22.575, 315.408$ is the 20% darker color. If you saturate the color by 10%, you get $62, 34.867, 315.657$, and if you desaturate by 10%, it is $72, 11.228, 314.774$.

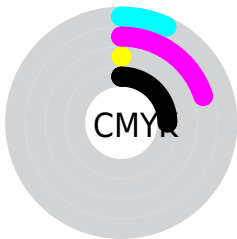
Distribution



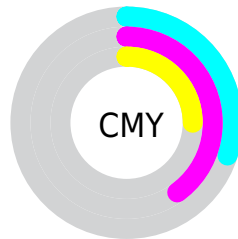
- Red (70%)
- Green (60%)
- Blue (75%)



- Red (70%)
- Yellow (60%)
- Blue (75%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (25%)





- Cyan (30%)
- Magenta (40%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 22.966, 315.214 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 67, 22.966, 315.214 by changing the saturation by 10% instead.


 67, 22.966,
315.214


 67, 22.966,
315.214


 100, 22.966,
315.214


 57, 22.966,
315.214


 87, 22.966,
315.214

 47, 22.966,
315.214

 97, 22.966,
315.214

 37, 22.966,
315.214

 27, 22.966,
315.214

 17, 22.966,
315.214

 7, 22.966, 315.214

 0, 22.966, 315.214

67, 22.966,
315.214

67, 22.966,
315.214

62, 34.867,
315.657

72, 11.228,
314.774

56, 46.788,
316.089

78, 0.255, 135.017

52, 58.488,
316.483

83, 11.441,
134.009

47, 69.602,
316.796

89, 22.309,
133.650

43, 79.621,
316.974

95, 32.856,
133.328

39, 87.921,
316.945

96, 34.547,
130.636

37, 93.887,
316.636

97, 33.631,
126.963

35, 97.555,

97, 32.862,
123.042

316.054

97, 32.259,
118.896

35, 97.636,
316.041

Harmonies

Complementary

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



67, 22.966, 315.214



75, 22.571, 133.518

Rectangle

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



67, 22.966, 315.214



67, 22.966, 5.214



67, 22.966, 135.214



67, 22.966, 185.214

Sweetspot

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



67, 22.964, 315.214



94, 8.500, 314.612



68, 14.233, 272.589



50, 5.641, 314.641



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 22.964, 315.214



82, 34.640, 315.418



68, 22.678, 330.017



38, 6.556, 314.757



28, 85.390, 316.177



3, 20.944, 311.394

Inverse Universe

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



67, 16.290, 355.055



83, 24.637, 355.605



74, 22.619, 147.515



38, 4.619, 353.924



34, 60.832, 16.570



3, 14.792, 1.317

Previews

White Background



This preview shows how the CIELCh color 67, 22.966, 315.214 looks on a white background.

Color Contrast Check

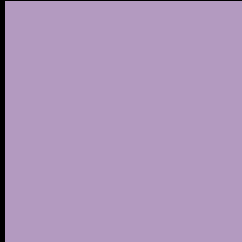
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 22.966, 315.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

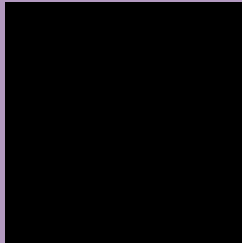
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 22.966, 315.214

Background



This preview shows how black text looks on a background with the CIELCh color 67, 22.966, 315.214.



This preview shows how white text looks on a background with the CIELCh color 67, 22.966, 315.214.

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


67, 22.966, 315.214

Protanopia

67, 19.428, 285.059

Deuteranopia

67, 17.885, 298.793



Tritanopia
67, 9.929, 334.048

Trichromacy



Original Color
67, 22.966, 315.214

Protanomaly
67, 20.042, 297.200

Deuteranomaly
67, 19.471, 305.818

Tritanomaly
67, 14.308, 322.550

Monochromacy



Original Color
67, 22.966, 315.214

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 8.460, 314.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 22.966, 315.214 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(179, 154, 192)` looks like.

```
.text, #text, p{  
    color:rgb(179, 154, 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(179, 154, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 154, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 22.966, 315.214 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(179, 154, 192) }
```

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

```
.border{ border-color:rgb(179, 154, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 154, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 154, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 154, 192);  
box-shadow:4px 4px 4px 4px rgb(179, 154,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 22.966, 315.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 154, 192) }
```

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

```
.background{ background-color: rgb(179,  
154, 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