

Converting Colors

CIELCh(63, 33.251, 302.052)

Have a look what the booklet for
CIELCh(63, 33.251, 302.052)
contains.

CIELCh(63, 33.553, 302.214)	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(63, 33.553, 302.214)

Conversions

Conversions Part 1

Format	Color
Hex	9F90CB
RGB	159, 144, 203
RGB Percent	62%, 56%, 80%
CMY	0.3768, 0.4356, 0.2043
CMYK	0.22, 0.29, 0.00, 0.20
HSL	255°, 36%, 68%
HSV	255°, 29%, 80%
XYZ	35.0063, 31.5869, 60.6902
YIQ	155.2110, -9.9990, 21.5290

Conversions

Conversions Part 2

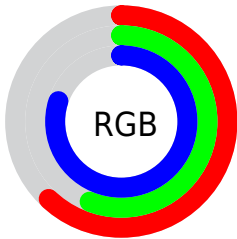
Format	Color
R _Y B	159, 144, 203
Decimal	10457291
CIE Lab	63.00, 17.89, -28.39
CIE LCh	63, 33.553, 302.214
Yxy	31.5869, 0.2750, 0.2482
Android (android.graphics.Color)	4288647371 (0xFF9F90CB)
YUV	155.2110, 23.5600, 3.3230
Hunter-Lab	56.2022, 12.8271, -24.6830

Details

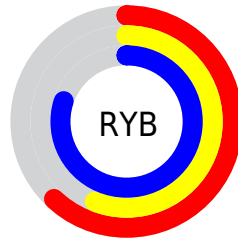
The CIELCh color `63, 33.553, 302.214` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `79, 31.560, 118.259`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 30.775, 302.593`, and `43, 33.456, 301.695` is the 20% darker color. If you saturate the color by 10%, you get `57, 45.885, 303.146`, and if you desaturate by 10%, it is `69, 21.615, 301.381`.

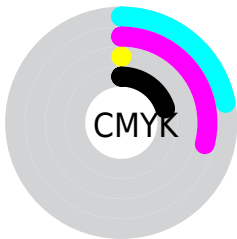
Distribution



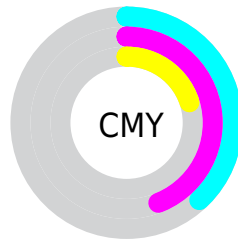
- Red (62%)
- Green (56%)
- Blue (80%)



- Red (62%)
- Yellow (56%)
- Blue (80%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (44%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 33.553, 302.214 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 63, 33.553, 302.214 by changing the saturation by 10% instead.


 63, 33.553,
302.214


 63, 33.553,
302.214


 100, 33.553,
302.214


 53, 33.553,
302.214


 83, 33.553,
302.214

 43, 33.553,
302.214

 93, 33.553,
302.214

 33, 33.553,
302.214

 23, 33.553,
302.214

 13, 33.553,
302.214

 3, 33.553, 302.214

 0, 33.553, 302.214

63, 33.553,
302.214

63, 33.553,
302.214

57, 45.885,
303.146

69, 21.615,
301.381

50, 58.529,
304.166

76, 10.099,
300.648

44, 71.276,
305.233

82, 1.001, 120.046

39, 83.692,
306.271

89, 11.701,
119.465

34, 94.981,
307.144

95, 22.023,
118.988

30, 103.944,
307.660

98, 26.377,
112.498

27, 109.720,
307.720

99, 26.284,
108.183

27, 110.204,

Harmonies

Complementary

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



63, 33.553, 302.214



79, 31.560, 118.259

Rectangle

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



63, 33.553, 302.214



63, 33.553, 352.214



63, 33.553, 122.214



63, 33.553, 172.214

Sweetspot

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



63, 33.551, 302.214



93, 12.059, 300.651



74, 16.532, 227.522



49, 8.401, 300.754



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 33.551, 302.214



73, 49.175, 302.799



66, 36.264, 318.546



40, 6.344, 300.670



21, 94.673, 307.846



2, 23.804, 298.966

Inverse Universe

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



67, 32.421, 334.473



79, 46.855, 334.953



77, 35.642, 135.855



40, 6.312, 333.078



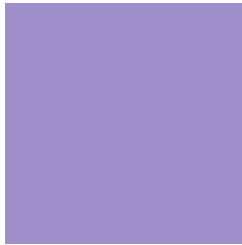
37, 69.036, 341.505



5, 23.585, 338.159

Previews

White Background



This preview shows how the CIELCh color 63, 33.553, 302.214 looks on a white background.

Color Contrast Check

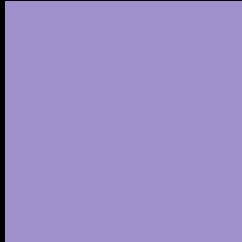
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 33.553, 302.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

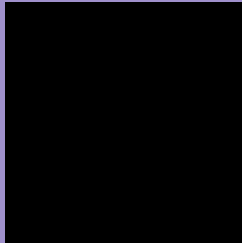
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 33.553, 302.214

Background



This preview shows how black text looks on a background with the CIELCh color 63, 33.553, 302.214.



This preview shows how white text looks on a background with the CIELCh color 63, 33.553, 302.214.

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


63, 33.553, 302.214

Protanopia

63, 32.594, 285.795

Deuteranopia

63, 29.176, 286.861



Tritanopia
63, 6.739, 294.088

Trichromacy



Original Color
63, 33.553, 302.214

Protanomaly
63, 32.468, 291.319

Deuteranomaly
63, 30.237, 292.745

Tritanomaly
63, 17.058, 300.448

Monochromacy



Original Color
63, 33.553, 302.214

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 11.921, 300.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 33.553, 302.214 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(159, 144, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 144, 203)  
}
```

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(159, 144, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 144, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 33.553, 302.214 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(159, 144, 203) }
```

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

```
.border{ border-color:rgb(159, 144, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 144, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 144, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 144, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 144,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 33.553, 302.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 144, 203) }
```

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

```
.background{ background-color: rgb(159,  
144, 203) }
```

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