

Converting Colors

CIELCh(63, 22.243, 317.645)

Have a look what the booklet for
CIELCh(63, 22.243, 317.645)
contains.

CIELCh(63, 21.861, 317.898)	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, 21.861, 317.898)

Conversions

Conversions Part 1

Format	Color
Hex	AA90B3
RGB	170, 144, 179
RGB Percent	67%, 56%, 70%
CMY	0.3347, 0.4366, 0.2995
CMYK	0.05, 0.20, 0.00, 0.30
HSL	285°, 19%, 63%
HSV	285°, 20%, 70%
XYZ	34.5202, 31.5869, 46.7330
YIQ	155.7640, 4.2610, 16.3970

Conversions

Conversions Part 2

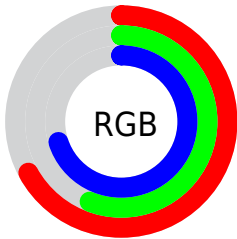
Format	Color
R _Y B	170, 144, 179
Decimal	11178163
CIE Lab	63.00, 16.22, -14.66
CIE LCh	63, 21.861, 317.898
Yxy	31.5869, 0.3059, 0.2799
Android (android.graphics.Color)	4289368243 (0xFFAA90B3)
YUV	155.7640, 11.4553, 12.4850
Hunter-Lab	56.2022, 11.2832, -9.9590

Details

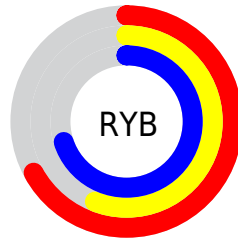
The CIELCh color $63, 21.861, 317.898$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $70, 21.593, 136.174$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 21.827, 317.332$, and $43, 22.141, 318.613$ is the 20% darker color. If you saturate the color by 10%, you get $58, 33.217, 318.332$, and if you desaturate by 10%, it is $68, 10.604, 317.458$.

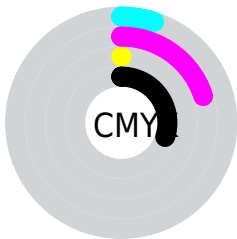
Distribution



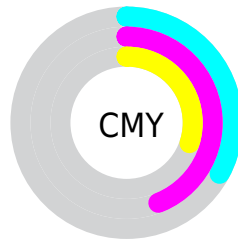
- Red (67%)
- Green (56%)
- Blue (70%)



- Red (67%)
- Yellow (56%)
- Blue (70%)



- Cyan (5%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (44%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 21.861, 317.898 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, 21.861, 317.898 by changing the saturation by 10% instead.

 63, 21.861,
317.898


 63, 21.861,
317.898


 100, 21.861,
317.898


 53, 21.861,
317.898


 83, 21.861,
317.898

 43, 21.861,
317.898

 93, 21.861,
317.898

 33, 21.861,
317.898

 23, 21.861,
317.898

 13, 21.861,
317.898

 3, 21.861, 317.898

 0, 21.861, 317.898

63, 21.861,
317.898

63, 21.861,
317.898

58, 33.217,
318.332

68, 10.604,
317.458

53, 44.512,
318.746

73, 0.447, 137.453

49, 55.491,
319.115

78, 11.236,
136.676

45, 65.792,
319.402

83, 21.734,
136.298

41, 74.938,
319.560

88, 31.929,
135.953

38, 82.385,
319.536

93, 41.822,
135.639


36, 87.644,
319.275


95, 43.472,
134.184

34, 90.849,

95, 42.707,
132.294

318.792

 95, 41.987,
130.311

 34, 90.975,
318.772

Harmonies

Complementary

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



63, 21.861, 317.898



70, 21.593, 136.174

Rectangle

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



63, 21.861, 317.898



63, 21.861, 7.898



63, 21.861, 137.898



63, 21.861, 187.898

Sweetspot

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



63, 21.859, 317.898



88, 8.185, 317.301



63, 14.628, 278.734



47, 5.476, 317.331



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 21.859, 317.898



78, 31.841, 318.064



64, 19.961, 332.972



35, 6.261, 317.446



29, 81.112, 318.874



2, 14.648, 314.029

Inverse Universe

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



63, 14.636, 0.954



78, 21.425, 1.421



70, 19.860, 150.348



35, 4.137, 359.806



32, 60.888, 23.948



2, 9.564, 3.353

Previews

White Background



This preview shows how the CIELCh color 63, 21.861, 317.898 looks on a white background.

Color Contrast Check

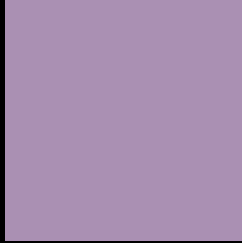
Large Text (above 18pt) WCAG AA × Fail

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 63, 21.861, 317.898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

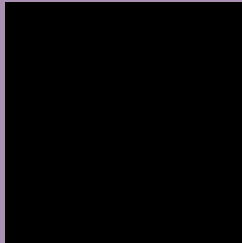
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 21.861, 317.898

Background



This preview shows how black text looks on a background with the CIELCh color 63, 21.861, 317.898.



This preview shows how white text looks on a background with the CIELCh color 63, 21.861, 317.898.

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, 21.861, 317.898

Protanopia

63, 18.508, 286.765

Deuteranopia

63, 16.432, 299.449



Tritanopia
63, 10.230, 339.499

Trichromacy



Original Color
63, 21.861, 317.898

Protanomaly
63, 19.272, 299.614

Deuteranomaly
63, 18.077, 307.082

Tritanomaly
63, 13.989, 327.721

Monochromacy



Original Color
63, 21.861, 317.898

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 8.059, 315.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 21.861, 317.898 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(170, 144, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 144, 179)  
}
```

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(170, 144, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 144, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 21.861, 317.898 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(170, 144, 179) }
```

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

```
.border{ border-color:rgb(170, 144, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 144, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 144, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 144, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 144,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 21.861, 317.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 144, 179) }
```

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

```
.background{ background-color: rgb(170,  
144, 179) }
```

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