

Converting Colors

CIELCh(22, 90.626, 309.467)

Have a look what the booklet for
CIELCh(22, 90.626, 309.467)
contains.

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Color

CIELCh(22, 90.731, 309.505)

Conversions

Conversions Part 1

Format	Color
Hex	3C00A1
RGB	60, 0, 161
RGB Percent	24%, 0%, 63%
CMY	0.7656, 1.0000, 0.3693
CMYK	0.63, 1.00, 0.00, 0.37
HSL	262°, 100%, 32%
HSV	262°, 100%, 63%
XYZ	8.2645, 3.5154, 33.8769
YIQ	36.2940, -15.9210, 62.7910

Conversions

Conversions Part 2

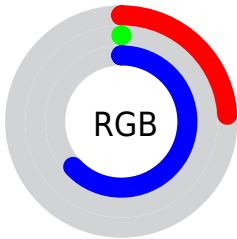
Format	Color
RYB	60, 0, 161
Decimal	3932321
CIELab	22.00, 57.72, -70.01
CIElCh	22, 90.731, 309.505
Yxy	3.5154, 0.1810, 0.0770
Android (android.graphics.Color)	4282122401 (0xFF3C00A1)
YUV	36.2940, 61.4801, 20.7902
Hunter-Lab	18.7494, 45.8687, -94.0019

Details

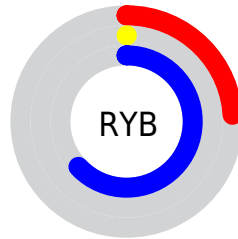
The CIELCh color **22, 90.731, 309.505** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **60, 73.984, 122.993**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 90.513, 309.558**, and **10, 71.094, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 90.671, 309.490**, and if you desaturate by 10%, it is **24, 85.593, 309.631**.

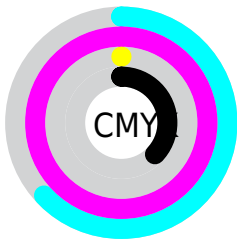
Distribution



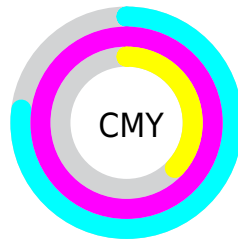
- Red (24%)
- Green (0%)
- Blue (63%)



- Red (24%)
- Yellow (0%)
- Blue (63%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)





- Cyan (77%)
- Magenta (100%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 90.731, 309.505 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 22, 90.731, 309.505 by changing the saturation by 10% instead.

 22, 90.731,
309.505


 22, 90.731,
309.505

 100, 90.731,
309.505


 12, 90.731,
309.505


 42, 90.731,
309.505


 2, 90.731, 309.505

 52, 90.731,
309.505

 0, 90.731, 309.505

 62, 90.731,
309.505

 72, 90.731,
309.505

 82, 90.731,
309.505

 92, 90.731,

309.505

■ 22, 90.731,
309.505

■ 22, 90.731,
309.505

■ 22, 90.671,
309.490

■ 24, 85.593,
309.631

■ 28, 78.595,
309.490

■ 32, 69.757,
309.022

■ 36, 59.890,
308.371

■ 41, 49.591,
307.645

■ 46, 39.231,
306.911

■ 51, 29.014,
306.212

■ 56, 19.045,
305.566

■ 61, 9.372, 304.980

Harmonies

Complementary

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



22, 90.731, 309.505



60, 73.984, 122.993

Rectangle

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



22, 90.731, 309.505



22, 90.731, 359.505



22, 90.731, 129.505



22, 90.731, 179.505

Sweetspot

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



22, 90.671, 309.490



65, 35.959, 306.250



41, 38.783, 266.889



31, 24.624, 306.521



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



22, 90.671, 309.490



30, 110.455, 309.297



34, 82.695, 323.161



32, 5.359, 304.940



19, 84.107, 309.579



1, 8.181, 303.173

Inverse Universe

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



35, 62.871, 350.188



46, 76.144, 350.763



58, 83.959, 135.240



32, 4.826, 337.967



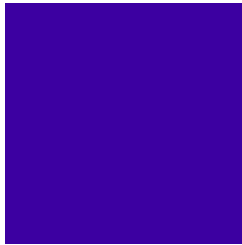
31, 58.474, 349.932



1, 7.150, 340.007

Previews

White Background



This preview shows how the CIE LCh color 22, 90.731, 309.505 looks on a white background.

Color Contrast Check

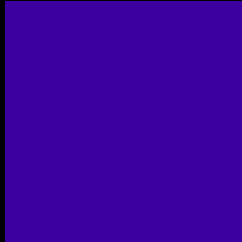
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 22, 90.731, 309.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

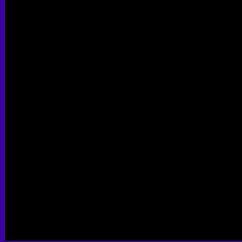
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 90.731, 309.505

Background



This preview shows how black text looks on a background with the CIELCh color 22, 90.731, 309.505.



This preview shows how white text looks on a background with the CIELCh color 22, 90.731, 309.505.

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


22, 90.731, 309.505

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.761, 269.692



Tritanopia
23, 17.624, 207.674

Trichromacy



Original Color
22, 90.731, 309.505

Protanomaly
20, 63.579, 300.655

Deuteranomaly
19, 56.312, 298.948

Tritanomaly
18, 42.340, 294.338

Monochromacy



Original Color
22, 90.731, 309.505

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 40.666, 308.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 90.731, 309.505 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(60, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(60, 0, 161)  
}
```

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(60, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 0, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 90.731, 309.505 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(60, 0, 161) }
```

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

```
.border{ border-color:rgb(60, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(60, 0, 161)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 90.731, 309.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 0, 161) }
```

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

```
.background{ background-color: rgb(60, 0,  
161) }
```

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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