

Converting Colors

CIELCh(22, 99.794, 307.249)

Have a look what the booklet for
CIELCh(22, 99.794, 307.249)
contains.

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Color

CIELCh(22, 99.781, 307.272)

Conversions

Conversions Part 1

Format	Color
Hex	2300B0
RGB	35, 0, 176
RGB Percent	14%, 0%, 69%
CMY	0.8610, 0.9989, 0.3089
CMYK	0.80, 1.00, 0.00, 0.31
HSL	252°, 100%, 35%
HSV	252°, 100%, 69%
XYZ	8.5714, 3.5154, 41.4242
YIQ	30.5290, -35.6360, 62.1560

Conversions

Conversions Part 2

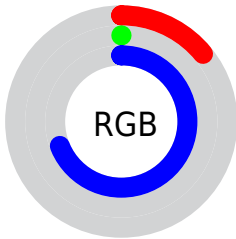
Format	Color
RYB	35, 0, 176
Decimal	2293936
CIELab	22.00, 60.43, -79.40
CIELCh	22, 99.781, 307.272
Yxy	3.5154, 0.1602, 0.0657
Android (android.graphics.Color)	4280484016 (0xFF2300B0)
YUV	30.5290, 71.7172, 3.9211
Hunter-Lab	18.7494, 48.7910, -117.8682

Details

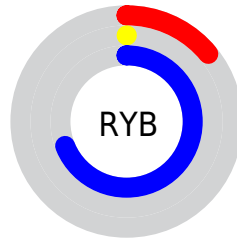
The CIELCh color **22, 99.781, 307.272** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **67, 75.330, 114.654**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 99.608, 307.277**, and **12, 77.548, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 99.869, 307.281**, and if you desaturate by 10%, it is **24, 94.198, 306.938**.

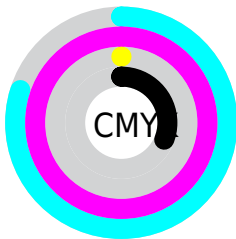
Distribution



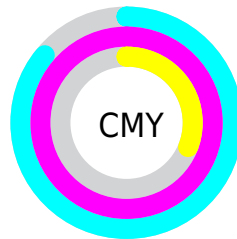
- Red (14%)
- Green (0%)
- Blue (69%)



- Red (14%)
- Yellow (0%)
- Blue (69%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (86%)
- Magenta (100%)
- Yellow (31%)
- Black (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 99.781, 307.272 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, 99.781, 307.272 by changing the saturation by 10% instead.

 22, 99.781,
307.272


 22, 99.781,
307.272

 100, 99.781,
307.272


 12, 99.781,
307.272


 42, 99.781,
307.272


 2, 99.781, 307.272

 52, 99.781,
307.272

 0, 99.781, 307.272

 62, 99.781,
307.272

 72, 99.781,
307.272

 82, 99.781,
307.272

 92, 99.781,

307.272

■ 22, 99.781,
307.272

■ 22, 99.781,
307.272

■ 22, 99.869,
307.281

■ 24, 94.198,
306.938

■ 28, 85.988,
306.211

■ 33, 75.692,
305.126

■ 38, 64.441,
303.889

■ 43, 52.960,
302.648

■ 49, 41.627,
301.482

■ 55, 30.610,
300.429

■ 60, 19.972,
299.497

■ 66, 9.724, 298.684

Harmonies

Complementary

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



22, 99.781, 307.272



67, 75.330, 114.654

Rectangle

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



22, 99.781, 307.272



22, 99.781, 357.272



22, 99.781, 127.272



22, 99.781, 177.272

Sweetspot

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



22, 99.783, 307.273



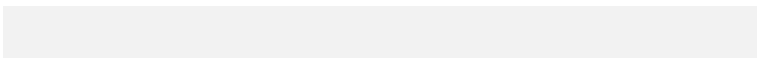
70, 38.190, 300.497



55, 33.074, 231.734



34, 26.229, 300.919



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



22, 99.783, 307.273



30, 121.876, 307.166



32, 90.977, 316.884



35, 5.648, 298.645



18, 89.884, 307.358



1, 13.410, 296.228

Inverse Universe

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



40, 75.036, 338.094



52, 91.200, 338.322



63, 87.020, 132.782



35, 5.876, 331.068



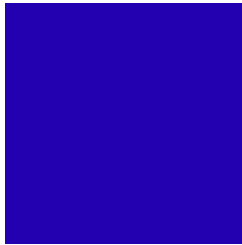
34, 67.735, 337.977



2, 13.326, 333.570

Previews

White Background



This preview shows how the CIELCh color 22, 99.781, 307.272 looks on a white background.

Color Contrast Check

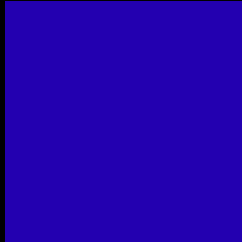
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.781, 307.272 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, 99.781, 307.272

Background



This preview shows how black text looks on a background with the CIELCh color 22, 99.781, 307.272.



This preview shows how white text looks on a background with the CIELCh color 22, 99.781, 307.272.

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, 99.781, 307.272

Protanopia

23, 38.992, 283.590

Deuteranopia

23, 27.215, 268.746

Trichromacy



Original Color
22, 99.781, 307.272

Protanomaly
20, 66.666, 300.394

Deuteranomaly
19, 59.492, 298.655

Monochromacy



Original Color
22, 99.781, 307.272

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 44.932, 305.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 99.781, 307.272 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(35, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 176)  
}
```

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(35, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 99.781, 307.272 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(35, 0, 176) }
```

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

```
.border{ border-color:rgb(35, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(35, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(35, 0, 176)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 99.781, 307.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 0, 176) }
```

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

```
.background{ background-color: rgb(35, 0,  
176) }
```

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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