

Converting Colors

CIELCh(22, 100.145, 307.015)

Have a look what the booklet for
CIELCh(22, 100.145, 307.015)
contains.

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Color

CIELCh(22, 100.172, 307.057)

Conversions

Conversions Part 1

Format	Color
Hex	2001B1
RGB	32, 1, 177
RGB Percent	13%, 0%, 69%
CMY	0.8735, 0.9955, 0.3054
CMYK	0.82, 0.99, 0.00, 0.31
HSL	251°, 99%, 35%
HSV	251°, 99%, 69%
XYZ	8.5642, 3.5154, 41.8875
YIQ	30.3330, -38.0200, 61.3080

Conversions

Conversions Part 2

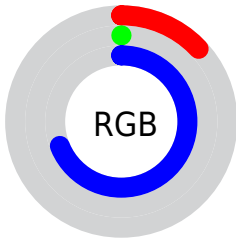
Format	Color
R_{YB}	32, 1, 177
Decimal	2097585
CIE _{Lab}	22.00, 60.36, -79.94
CIE _{LCh}	22, 100.172, 307.057
Yxy	3.5154, 0.1587, 0.0651
Android (android.graphics.Color)	4280287665 (0xFF2001B1)
YUV	30.3330, 72.3068, 1.4620
Hunter-Lab	18.7494, 48.7225, -119.3331

Details

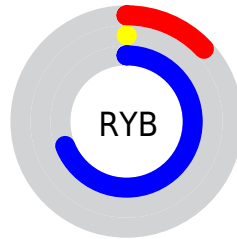
The CIELCh color **22, 100.172, 307.057** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **68, 75.106, 113.356**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 100.155, 307.135**, and **12, 78.003, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 100.522, 307.093**, and if you desaturate by 10%, it is **24, 94.503, 306.642**.

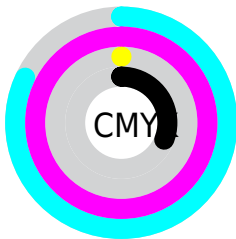
Distribution



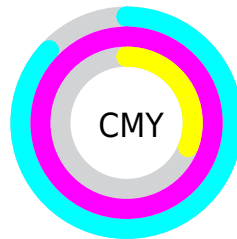
- Red (13%)
- Green (0%)
- Blue (69%)



- Red (13%)
- Yellow (0%)
- Blue (69%)



- Cyan (82%)
- Magenta (99%)
- Yellow (0%)
- Black (31%)





- Cyan (87%)
- Magenta (100%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 100.172, 307.057 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, 100.172, 307.057 by changing the saturation by 10% instead.


 22, 100.172,
307.057


 22, 100.172,
307.057


 100, 100.172,
307.057


 12, 100.172,
307.057


 42, 100.172,
307.057


 2, 100.172,
307.057

 52, 100.172,
307.057

 0, 100.172,
307.057

 62, 100.172,
307.057

 72, 100.172,
307.057

 82, 100.172,
307.057

 92, 100.172,

307.057

■ 22, 100.172,
307.057

■ 22, 100.172,
307.057

■ 22, 100.522,
307.093

■ 24, 94.503,
306.642

■ 28, 86.062,
305.798

■ 33, 75.566,
304.600

■ 38, 64.172,
303.265

■ 43, 52.599,
301.941

■ 49, 41.211,
300.710

■ 55, 30.163,
299.604

■ 61, 19.509,
298.632

■ 67, 9.254, 297.786

Harmonies

Complementary

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



22, 100.172, 307.057



68, 75.106, 113.356

Rectangle

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



22, 100.172, 307.057



22, 100.172, 357.057



22, 100.172, 127.057



22, 100.172, 177.057

Sweetspot

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



22, 100.174, 307.058



69, 38.136, 299.725



56, 33.087, 227.977



34, 26.196, 300.170



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, 100.174, 307.058



30, 122.198, 306.991



32, 91.440, 316.397



35, 5.637, 297.784



18, 90.139, 307.166



1, 13.392, 295.534

Inverse Universe

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



40, 76.569, 336.691



52, 92.811, 336.923



64, 86.835, 132.424



35, 5.972, 330.265



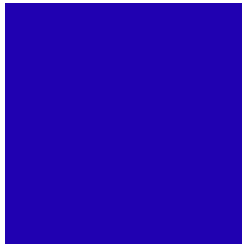
35, 68.903, 336.631



2, 13.617, 332.423

Previews

White Background



This preview shows how the CIELCh color 22, 100.172, 307.057 looks on a white background.

Color Contrast Check

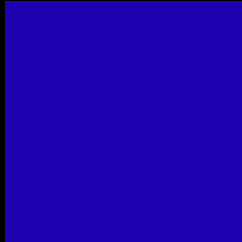
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.172, 307.057 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, 100.172, 307.057

Background



This preview shows how black text looks on a background with the CIELCh color 22, 100.172, 307.057.



This preview shows how white text looks on a background with the CIELCh color 22, 100.172, 307.057.

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, 100.172, 307.057

Protanopia

23, 39.665, 284.432

Deuteranopia

23, 27.215, 268.746



Tritanopia
23, 17.603, 203.161

Trichromacy



Original Color
22, 100.172, 307.057

Protanomaly
20, 67.255, 300.425

Deuteranomaly
20, 58.815, 298.190

Tritanomaly
18, 45.063, 293.583

Monochromacy



Original Color
22, 100.172, 307.057

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 45.017, 304.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 100.172, 307.057 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(32, 1, 177)` looks like.

```
.text, #text, p{  
    color:rgb(32, 1, 177)  
}
```

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(32, 1, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 1, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 100.172, 307.057 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(32, 1, 177) }
```

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

```
.border{ border-color:rgb(32, 1, 177) }
```

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

Here you see how a box with a 4 pixel rgb(32, 1, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 1, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 1, 177);  
box-shadow:4px 4px 4px 4px rgb(32, 1, 177)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 100.172, 307.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 1, 177) }
```

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

```
.background{ background-color: rgb(32, 1,  
177) }
```

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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