

Converting Colors

CIELCh(22, 98.444, 307.620)

Have a look what the booklet for
CIELCh(22, 98.444, 307.620)
contains.

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Color

CIELCh(22, 98.444, 307.620)

Conversions

Conversions Part 1

Format	Color
Hex	2900AE
RGB	41, 0, 174
RGB Percent	16%, 0%, 68%
CMY	0.8400, 1.0000, 0.3181
CMYK	0.77, 1.00, 0.00, 0.32
HSL	254°, 100%, 34%
HSV	254°, 100%, 68%
XYZ	8.5331, 3.5154, 40.2121
YIQ	32.0950, -31.4180, 62.8060

Conversions

Conversions Part 2

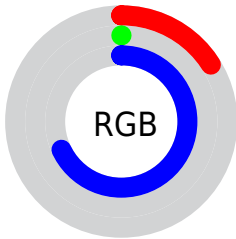
Format	Color
R_{YB}	41, 0, 174
Decimal	2687150
CIE _{Lab}	22.00, 60.09, -77.98
CIE _{LCh}	22, 98.444, 307.620
Yxy	3.5154, 0.1633, 0.0673
Android (android.graphics.Color)	4280877230 (0xFF2900AE)
YUV	32.0950, 69.9592, 7.8097
Hunter-Lab	18.7494, 48.4258, -114.0353

Details

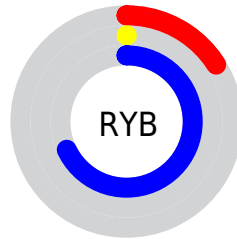
The CIELCh color **22, 98.444, 307.620** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **66, 75.266, 116.518**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 98.515, 307.572**, and **12, 76.634, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 98.407, 307.611**, and if you desaturate by 10%, it is **24, 92.888, 307.387**.

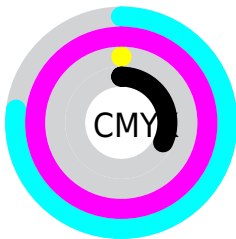
Distribution



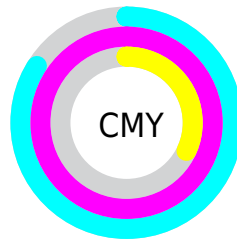
- Red (16%)
- Green (0%)
- Blue (68%)



- Red (16%)
- Yellow (0%)
- Blue (68%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)




- Cyan (84%)
- Magenta (100%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 98.444, 307.620 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, 98.444, 307.620 by changing the saturation by 10% instead.

 22, 98.444,
307.620


 22, 98.444,
307.620

 100, 98.444,
307.620


 12, 98.444,
307.620


 42, 98.444,
307.620


 2, 98.444, 307.620

 52, 98.444,
307.620

 0, 98.444, 307.620

 62, 98.444,
307.620

 72, 98.444,
307.620

 82, 98.444,
307.620

 92, 98.444,

307.620

■ 22, 98.444,
307.620

■ 22, 98.444,
307.620

■ 22, 98.407,
307.611

■ 24, 92.888,
307.387

■ 28, 84.910,
306.803

■ 32, 74.884,
305.865

■ 37, 63.878,
304.767

■ 43, 52.595,
303.646

■ 48, 41.416,
302.581

■ 54, 30.519,
301.610

■ 60, 19.977,
300.744

■ 65, 9.808, 299.984

Harmonies

Complementary

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



22, 98.444, 307.620



66, 75.266, 116.518

Rectangle

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



22, 98.444, 307.620



22, 98.444, 357.620



22, 98.444, 127.620



22, 98.444, 177.620

Sweetspot

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



22, 98.407, 307.611



69, 37.937, 301.659



52, 33.727, 242.533



34, 26.285, 302.050



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, 98.407, 307.611



30, 120.303, 307.478



33, 89.310, 318.477



34, 5.533, 299.934



18, 88.349, 307.701



1, 11.465, 297.661

Inverse Universe

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



39, 72.465, 340.276



51, 88.159, 340.548



62, 87.149, 133.671



34, 5.596, 332.327



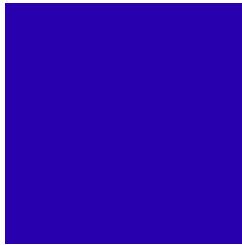
33, 65.267, 340.102



2, 11.090, 334.881

Previews

White Background



This preview shows how the CIE LCh color 22, 98.444, 307.620 looks on a white background.

Color Contrast Check

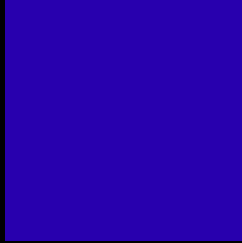
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.444, 307.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

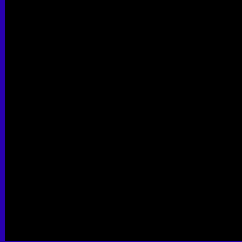
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 98.444, 307.620

Background



This preview shows how black text looks on a background with the CIELCh color 22, 98.444, 307.620.



This preview shows how white text looks on a background with the CIELCh color 22, 98.444, 307.620.

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, 98.444, 307.620

Protanopia

23, 38.992, 283.590

Deuteranopia

23, 27.215, 268.746



Tritanopia
23, 17.795, 203.070

Trichromacy



Original Color
22, 98.444, 307.620

Protanomaly
20, 66.625, 300.519

Deuteranomaly
19, 58.860, 298.694

Tritanomaly
18, 45.015, 293.995

Monochromacy



Original Color
22, 98.444, 307.620

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 44.847, 305.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 98.444, 307.620 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(41, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(41, 0, 174)  
}
```

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(41, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 0, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 98.444, 307.620 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(41, 0, 174) }
```

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

```
.border{ border-color:rgb(41, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(41, 0, 174)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 98.444, 307.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 0, 174) }
```

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

```
.background{ background-color: rgb(41, 0,  
174) }
```

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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