

Converting Colors

CIELCh(22, 86.172, 310.782)

Have a look what the booklet for
CIELCh(22, 86.172, 310.782)
contains.

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Color

CIELCh(22, 86.209, 310.740)

Conversions

Conversions Part 1

Format	Color
Hex	430099
RGB	67, 0, 153
RGB Percent	26%, 0%, 60%
CMY	0.7363, 0.9989, 0.3991
CMYK	0.56, 1.00, 0.00, 0.40
HSL	266°, 100%, 30%
HSV	266°, 100%, 60%
XYZ	8.1026, 3.5154, 30.4826
YIQ	37.4750, -9.1810, 61.7870

Conversions

Conversions Part 2

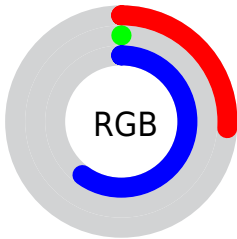
Format	Color
RYB	67, 0, 153
Decimal	4391065
CIELab	22.00, 56.26, -65.32
CIElCh	22, 86.209, 310.740
Yxy	3.5154, 0.1925, 0.0835
Android (android.graphics.Color)	4282581145 (0xFF430099)
YUV	37.4750, 56.9538, 25.8934
Hunter-Lab	18.7494, 44.3276, -83.2682

Details

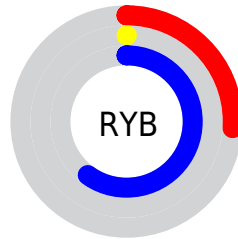
The CIELCh color **22, 86.209, 310.740** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **57, 72.863, 125.585**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 86.345, 310.724**, and **8, 67.340, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 86.301, 310.738**, and if you desaturate by 10%, it is **24, 81.438, 311.004**.

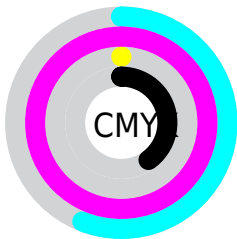
Distribution



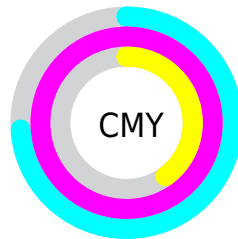
- Red (26%)
- Green (0%)
- Blue (60%)



- Red (26%)
- Yellow (0%)
- Blue (60%)



- Cyan (56%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (74%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 86.209, 310.740 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, 86.209, 310.740 by changing the saturation by 10% instead.

■ 22, 86.209,
310.740

■ 22, 86.209,
310.740

■ 100, 86.209,
310.740

■ 12, 86.209,
310.740

■ 42, 86.209,
310.740

■ 2, 86.209, 310.740

■ 52, 86.209,
310.740

■ 0, 86.209, 310.740

■ 62, 86.209,
310.740

■ 72, 86.209,
310.740

■ 82, 86.209,
310.740

■ 92, 86.209,

310.740

■ 22, 86.209,
310.740

■ 22, 86.209,
310.740

■ 22, 86.301,
310.738

■ 24, 81.438,
311.004

■ 27, 74.947,
311.009

■ 31, 66.712,
310.705

■ 35, 57.438,
310.212

■ 39, 47.670,
309.626

■ 44, 37.767,
309.013

■ 49, 27.943,
308.411

■ 54, 18.314,
307.845

■ 59, 8.939, 307.321

Harmonies

Complementary

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



22, 86.209, 310.740



57, 72.863, 125.585

Rectangle

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



22, 86.209, 310.740



22, 86.209, 0.740



22, 86.209, 130.740



22, 86.209, 180.740

Sweetspot

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



22, 86.210, 310.741



62, 34.814, 308.457



36, 42.494, 275.851



30, 23.806, 308.686



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



22, 86.210, 310.741



30, 104.933, 310.522



34, 79.263, 325.666



30, 5.137, 307.291



20, 80.832, 310.824



1, 5.474, 306.604

Inverse Universe

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



33, 58.967, 355.619



43, 71.351, 356.437



55, 81.451, 135.679



30, 4.366, 341.113



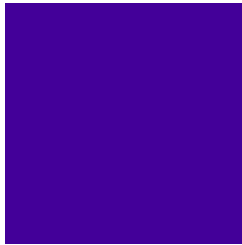
30, 55.369, 355.378



1, 4.643, 340.914

Previews

White Background



This preview shows how the CIE LCh color 22, 86.209, 310.740 looks on a white background.

Color Contrast Check

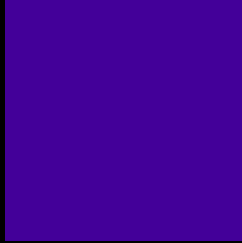
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.209, 310.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

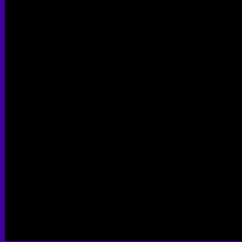
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 86.209, 310.740

Background



This preview shows how black text looks on a background with the CIELCh color 22, 86.209, 310.740.



This preview shows how white text looks on a background with the CIELCh color 22, 86.209, 310.740.

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, 86.209, 310.740

Deuteranopia

23, 28.313, 270.602

Tritanopia

24, 10.038, 213.329

Trichromacy

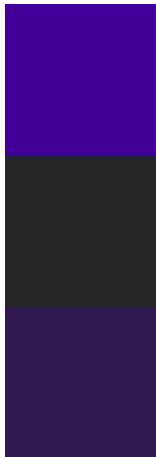


Original Color
22, 86.209, 310.740

Deuteranomaly
19, 54.449, 298.865

Tritanomaly
19, 39.424, 302.390

Monochromacy



Original Color
22, 86.209, 310.740

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 39.329, 310.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 86.209, 310.740 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(67, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(67, 0, 153)  
}
```

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(67, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 0, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 86.209, 310.740 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(67, 0, 153) }
```

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

```
.border{ border-color:rgb(67, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(67, 0, 153)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 86.209, 310.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 0, 153) }
```

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

```
.background{ background-color: rgb(67, 0,  
153) }
```

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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