

Converting Colors

CIELCh(22, 76.231, 314.371)

Have a look what the booklet for
CIELCh(22, 76.231, 314.371)
contains.

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Color

CIELCh(22, 76.323, 314.305)

Conversions

Conversions Part 1

Format	Color
Hex	500188
RGB	80, 1, 136
RGB Percent	31%, 0%, 53%
CMY	0.6858, 0.9955, 0.4663
CMYK	0.41, 0.99, 0.00, 0.47
HSL	275°, 98%, 27%
HSV	275°, 99%, 53%
XYZ	7.7808, 3.5154, 23.5990
YIQ	40.0110, 3.7490, 58.7330

Conversions

Conversions Part 2

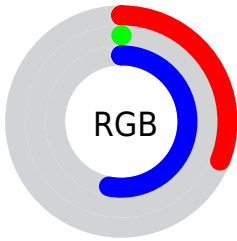
Format	Color
RYB	80, 1, 136
Decimal	5243272
CIELab	22.00, 53.31, -54.62
CIELCh	22, 76.323, 314.305
Yxy	3.5154, 0.2230, 0.1007
Android (android.graphics.Color)	4283433352 (0xFF500188)
YUV	40.0110, 47.3226, 35.0704
Hunter-Lab	18.7494, 41.2642, -61.5009

Details

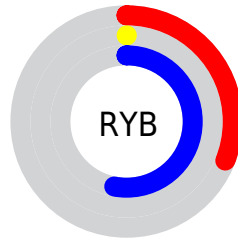
The CIELCh color **22, 76.323, 314.305** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **50, 69.645, 130.148**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 76.087, 314.243**, and **8, 57.972, 308.833** is the 20% darker color. If you saturate the color by 10%, you get **22, 76.673, 314.281**, and if you desaturate by 10%, it is **24, 72.306, 314.695**.

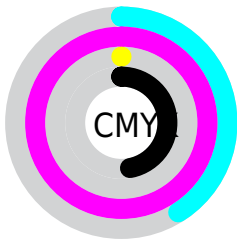
Distribution



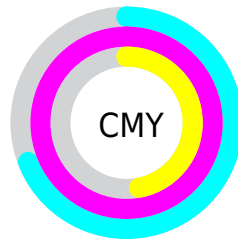
- Red (31%)
- Green (0%)
- Blue (53%)



- Red (31%)
- Yellow (0%)
- Blue (53%)



- Cyan (41%)
- Magenta (99%)
- Yellow (0%)
- Black (47%)





- Cyan (69%)
- Magenta (100%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 76.323, 314.305 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, 76.323, 314.305 by changing the saturation by 10% instead.

 22, 76.323,
314.305


 22, 76.323,
314.305

 100, 76.323,
314.305


 12, 76.323,
314.305


 42, 76.323,
314.305


 2, 76.323, 314.305

 52, 76.323,
314.305

 0, 76.323, 314.305

 62, 76.323,
314.305

 72, 76.323,
314.305

 82, 76.323,
314.305

 92, 76.323,

314.305

■ 22, 76.323,
314.305

■ 22, 76.323,
314.305

■ 22, 76.673,
314.281

■ 24, 72.306,
314.695

■ 26, 66.883,
314.871

■ 29, 59.903,
314.783

■ 33, 51.875,
314.513

■ 36, 43.243,
314.132

■ 40, 34.337,
313.695

■ 45, 25.378,
313.237

■ 49, 16.505,
312.782

■ 53, 7.798, 312.343

Harmonies

Complementary

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



22, 76.323, 314.305



50, 69.645, 130.148

Rectangle

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



22, 76.323, 314.305



22, 76.323, 4.305



22, 76.323, 134.305



22, 76.323, 184.305

Sweetspot

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



22, 76.323, 314.305



56, 32.245, 313.305



26, 51.306, 289.829



27, 22.238, 313.474



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



22, 76.323, 314.305



29, 92.732, 314.044



31, 67.836, 331.724



27, 4.850, 312.343



21, 75.223, 314.308



0, 2.227, 311.983

Inverse Universe

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



28, 52.793, 8.484



37, 64.044, 10.022



49, 73.150, 137.027



27, 3.628, 349.244



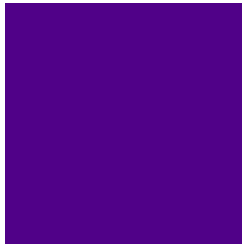
27, 51.990, 8.685



0, 1.661, 348.503

Previews

White Background



This preview shows how the CIE LCh color 22, 76.323, 314.305 looks on a white background.

Color Contrast Check

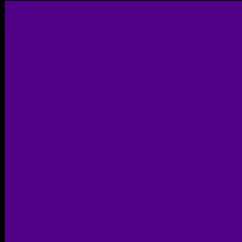
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.323, 314.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

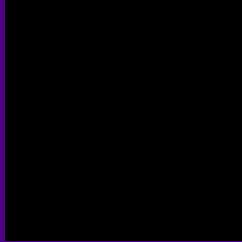
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 76.323, 314.305

Background



This preview shows how black text looks on a background with the CIELCh color 22, 76.323, 314.305.



This preview shows how white text looks on a background with the CIELCh color 22, 76.323, 314.305.

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](#).

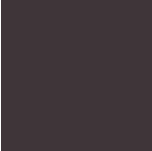
Dichromacy



Original Color
22, 76.323, 314.305

Protanopia
23, 40.211, 284.484

Deuteranopia
23, 28.321, 270.101



Tritanopia
23, 5.338, 350.669

Trichromacy



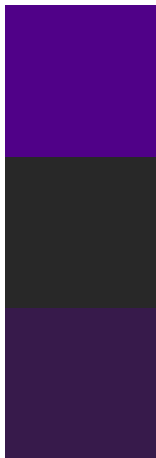
Original Color
22, 76.323, 314.305

Protanomaly
20, 58.011, 300.482

Deuteranomaly
19, 50.554, 298.673

Tritanomaly
20, 36.623, 317.153

Monochromacy



Original Color
22, 76.323, 314.305

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 35.016, 314.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 76.323, 314.305 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(80, 1, 136)` looks like.

```
.text, #text, p{  
    color:rgb(80, 1, 136)  
}
```

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(80, 1, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 1, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 76.323, 314.305 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(80, 1, 136) }
```

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

```
.border{ border-color:rgb(80, 1, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 1, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 1, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 1, 136);  
box-shadow:4px 4px 4px 4px rgb(80, 1, 136)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 76.323, 314.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 1, 136) }
```

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

```
.background{ background-color: rgb(80, 1,  
136) }
```

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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