

Converting Colors

CIELCh(13, 109.661, 318.402)

Have a look what the booklet for
CIELCh(13, 109.661, 318.402)
contains.

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Color

CIELCh(22, 79.684, 312.723)

Conversions

Conversions Part 1

Format	Color
Hex	4B028E
RGB	75, 2, 142
RGB Percent	29%, 1%, 56%
CMY	0.7042, 0.9929, 0.4418
CMYK	0.47, 0.99, 0.00, 0.44
HSL	271°, 97%, 28%
HSV	271°, 99%, 56%
XYZ	7.8620, 3.5154, 25.9853
YIQ	39.7870, -1.4320, 59.0160

Conversions

Conversions Part 2

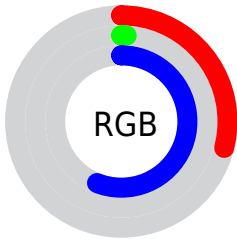
Format	Color
R_{YB}	75, 2, 142
Decimal	4915854
CIE _{Lab}	22.00, 54.06, -58.54
CIE _{LCh}	22, 79.684, 312.723
Yxy	3.5154, 0.2104, 0.0941
Android (android.graphics.Color)	4283105934 (0xFF4B028E)
YUV	39.7870, 50.3910, 30.8818
Hunter-Lab	18.7494, 42.0367, -69.0469

Details

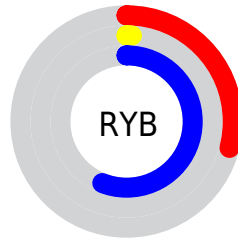
The CIELCh color **22, 79.684, 312.723** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **53, 70.540, 128.386**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 79.648, 312.583**, and **7, 61.549, 307.259** is the 20% darker color. If you saturate the color by 10%, you get **22, 80.254, 312.691**, and if you desaturate by 10%, it is **24, 75.319, 313.083**.

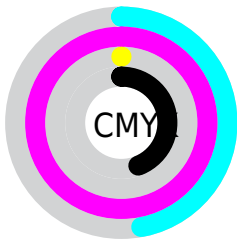
Distribution



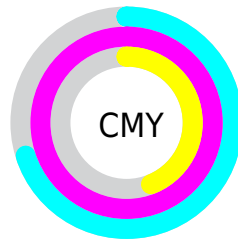
- Red (29%)
- Green (1%)
- Blue (56%)



- Red (29%)
- Yellow (1%)
- Blue (56%)



- Cyan (47%)
- Magenta (99%)
- Yellow (0%)
- Black (44%)





- Cyan (70%)
- Magenta (99%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 79.684, 312.723 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, 79.684, 312.723 by changing the saturation by 10% instead.

 22, 79.684,
312.723


 22, 79.684,
312.723

 100, 79.684,
312.723

 12, 79.684,
312.723


 42, 79.684,
312.723


 2, 79.684, 312.723

 52, 79.684,
312.723

 0, 79.684, 312.723

 62, 79.684,
312.723

 72, 79.684,
312.723

 82, 79.684,
312.723

 92, 79.684,

312.723

■ 22, 79.684,
312.723

■ 22, 79.684,
312.723

■ 22, 80.254,
312.691

■ 24, 75.319,
313.083

■ 27, 69.347,
313.188

■ 30, 61.801,
313.015

■ 34, 53.255,
312.662

■ 38, 44.180,
312.209

■ 42, 34.907,
311.711

■ 46, 25.645,
311.207

■ 51, 16.519,
310.718

■ 55, 7.596, 310.254

Harmonies

Complementary

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



22, 79.684, 312.723



53, 70.540, 128.386

Rectangle

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



22, 79.684, 312.723



22, 79.684, 2.723



22, 79.684, 132.723



22, 79.684, 182.723

Sweetspot

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



22, 79.684, 312.724



59, 33.411, 311.303



30, 46.724, 284.163



29, 23.061, 311.494



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



22, 79.684, 312.724



30, 98.004, 312.448



33, 73.646, 328.871



28, 4.933, 310.275



20, 77.255, 312.745



0, 3.293, 309.896

Inverse Universe

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



30, 54.572, 2.781



40, 66.707, 4.309



51, 76.907, 136.267



28, 3.889, 345.665



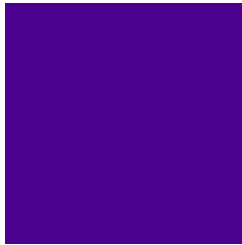
28, 52.796, 3.014



1, 2.596, 344.953

Previews

White Background



This preview shows how the CIE LCh color 22, 79.684, 312.723 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, 79.684, 312.723 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, 79.684, 312.723

Background



This preview shows how black text looks on a background with the CIELCh color 22, 79.684, 312.723.



This preview shows how white text looks on a background with the CIELCh color 22, 79.684, 312.723.

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, 79.528, 312.671

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 28.313, 270.602



Tritanopia
23, 3.357, 283.351

Trichromacy



Original Color
22, 79.528, 312.671

Protanomaly
20, 59.257, 300.374

Deuteranomaly
19, 51.221, 298.425

Tritanomaly
20, 37.268, 311.322

Monochromacy



Original Color
22, 79.528, 312.671

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 36.165, 312.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 79.684, 312.723 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(75, 2, 142)` looks like.

```
.text, #text, p{  
    color:rgb(75, 2, 142)  
}
```

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(75, 2, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 2, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 79.684, 312.723 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(75, 2, 142) }
```

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

```
.border{ border-color:rgb(75, 2, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 2, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 2, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 2, 142);  
box-shadow:4px 4px 4px 4px rgb(75, 2, 142)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 79.684, 312.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 2, 142) }
```

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

```
.background{ background-color: rgb(75, 2,  
142) }
```

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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