

Converting Colors

CIELCh(22, 77.284, 314.349)

Have a look what the booklet for
CIELCh(22, 77.284, 314.349)
contains.

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Color

CIELCh(22, 77.062, 314.243)

Conversions

Conversions Part 1

Format	Color
Hex	500089
RGB	80, 0, 137
RGB Percent	31%, 0%, 54%
CMY	0.6861, 0.9998, 0.4626
CMYK	0.42, 1.00, 0.00, 0.46
HSL	275°, 100%, 27%
HSV	275°, 100%, 54%
XYZ	7.8300, 3.5154, 23.9467
YIQ	39.5380, 3.7030, 59.5670

Conversions

Conversions Part 2

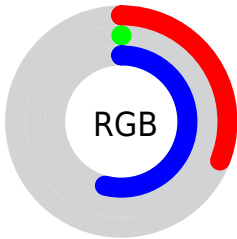
Format	Color
RYB	80, 0, 137
Decimal	5243017
CIELab	22.00, 53.77, -55.21
CIElCh	22, 77.062, 314.243
Yxy	3.5154, 0.2219, 0.0996
Android (android.graphics.Color)	4283433097 (0xFF500089)
YUV	39.5380, 48.0488, 35.4852
Hunter-Lab	18.7494, 41.7324, -62.6002

Details

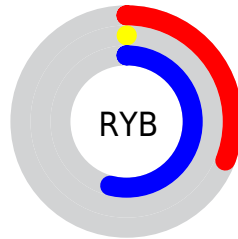
The CIELCh color **22, 77.062, 314.243** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **50, 70.252, 130.166**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 76.584, 314.346**, and **8, 58.497, 308.779** is the 20% darker color. If you saturate the color by 10%, you get **22, 77.077, 314.242**, and if you desaturate by 10%, it is **24, 73.060, 314.632**.

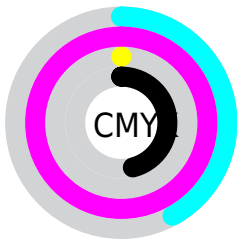
Distribution



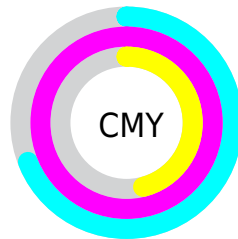
- Red (31%)
- Green (0%)
- Blue (54%)



- Red (31%)
- Yellow (0%)
- Blue (54%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)



- Cyan (69%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 77.062, 314.243 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, 77.062, 314.243 by changing the saturation by 10% instead.

 22, 77.062,
314.243


 22, 77.062,
314.243

 100, 77.062,
314.243


 12, 77.062,
314.243

 42, 77.062,
314.243

 2, 77.062, 314.243

 52, 77.062,
314.243

 0, 77.062, 314.243

 62, 77.062,
314.243

 72, 77.062,
314.243

 82, 77.062,
314.243

 92, 77.062,

314.243

■ 22, 77.062,
314.243

■ 22, 77.062,
314.243

■ 22, 77.077,
314.242

■ 24, 73.060,
314.632

■ 26, 67.757,
314.835

■ 29, 60.846,
314.764

■ 33, 52.839,
314.505

■ 36, 44.193,
314.130

■ 40, 35.249,
313.695

■ 44, 26.239,
313.236

■ 49, 17.306,
312.780

■ 53, 8.536, 312.339

Harmonies

Complementary

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



22, 77.062, 314.243



50, 70.252, 130.166

Rectangle

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



22, 77.062, 314.243



22, 77.062, 4.243



22, 77.062, 134.243



22, 77.062, 184.243

Sweetspot

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



22, 77.062, 314.244



57, 32.619, 313.268



26, 52.052, 290.138



27, 22.233, 313.436



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, 77.062, 314.244



30, 93.758, 314.001



31, 68.323, 331.758



27, 4.849, 312.304



21, 75.241, 314.277



0, 2.227, 311.943

Inverse Universe

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



28, 53.239, 8.731



38, 64.727, 9.968



49, 73.742, 136.976



27, 3.630, 349.173



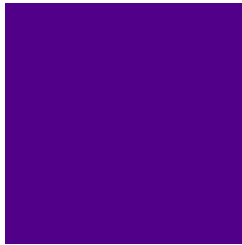
27, 51.986, 8.574



0, 1.663, 348.432

Previews

White Background



This preview shows how the CIELCh color 22, 77.062, 314.243 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, 77.062, 314.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

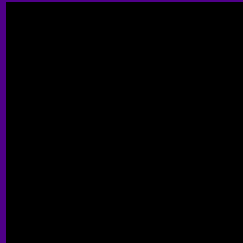
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 77.062, 314.243

Background



This preview shows how black text looks on a background with the CIELCh color 22, 77.062, 314.243.



This preview shows how white text looks on a background with the CIELCh color 22, 77.062, 314.243.

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, 77.062, 314.243

Protanopia

23, 40.211, 284.484

Deuteranopia

23, 28.321, 270.101



Tritanopia
23, 5.681, 344.801

Trichromacy



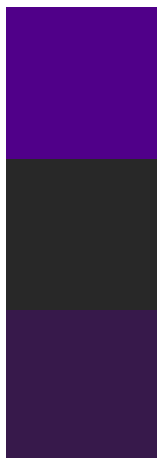
Original Color
22, 77.062, 314.243

Protanomaly
19, 58.686, 300.838

Deuteranomaly
19, 50.554, 298.673

Tritanomaly
20, 37.193, 316.776

Monochromacy



Original Color
22, 77.062, 314.243

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 35.700, 315.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 77.062, 314.243 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, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 137)  
}
```

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, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 77.062, 314.243 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, 0, 137) }
```

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

```
.border{ border-color:rgb(80, 0, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 0, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(80, 0, 137)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 77.062, 314.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 137) }
```

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

```
.background{ background-color: rgb(80, 0,  
137) }
```

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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