

Converting Colors

CIELCh(22, 51.841, 337.442)

Have a look what the booklet for
CIELCh(22, 51.841, 337.442)
contains.

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Color

CIELCh(22, 51.521, 337.639)

Conversions

Conversions Part 1

Format	Color
Hex	680053
RGB	104, 0, 83
RGB Percent	41%, 0%, 33%
CMY	0.5941, 1.0000, 0.6763
CMYK	0.00, 1.00, 0.20, 0.59
HSL	312°, 100%, 20%
HSV	312°, 100%, 41%
XYZ	7.1877, 3.5154, 8.3933
YIQ	40.5580, 35.3410, 47.8610

Conversions

Conversions Part 2

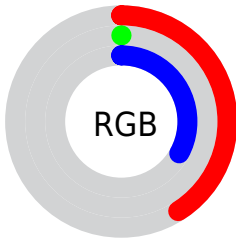
Format	Color
RYB	104, 0, 83
Decimal	6815827
CIELab	22.00, 47.65, -19.60
CIELCh	22, 51.521, 337.639
Yxy	3.5154, 0.3764, 0.1841
Android (android.graphics.Color)	4285005907 (0xFF680053)
YUV	40.5580, 20.9239, 55.6386
Hunter-Lab	18.7494, 35.6174, -13.4169

Details

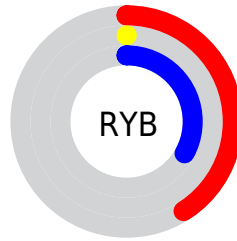
The CIELCh color **22, 51.521, 337.639** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **38, 56.686, 139.592**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 51.311, 337.380**, and **8, 31.707, 341.566** is the 20% darker color. If you saturate the color by 10%, you get **22, 51.334, 337.660**, and if you desaturate by 10%, it is **23, 49.480, 336.782**.

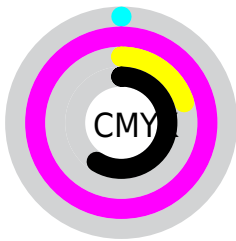
Distribution



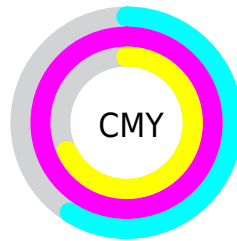
- Red (41%)
- Green (0%)
- Blue (33%)



- Red (41%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (59%)





- Cyan (59%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 51.521, 337.639 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, 51.521, 337.639 by changing the saturation by 10% instead.

 22, 51.521,
337.639


 22, 51.521,
337.639

 100, 51.521,
337.639


 12, 51.521,
337.639


 42, 51.521,
337.639


 2, 51.521, 337.639

 52, 51.521,
337.639

 0, 51.521, 337.639

 62, 51.521,
337.639

 72, 51.521,
337.639

 82, 51.521,
337.639

 92, 51.521,

337.639

■ 22, 51.521,
337.639

■ 22, 51.521,
337.639

■ 22, 51.334,
337.660

■ 23, 49.480,
336.782

■ 24, 46.990,
335.932

■ 26, 43.224,
335.156

■ 28, 38.383,
334.429

■ 30, 32.729,
333.736

■ 32, 26.525,
333.067

■ 35, 19.997,
332.418

■ 38, 13.322,
331.787

■ 41, 6.629, 331.168

Harmonies

Complementary

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



22, 51.521, 337.639



38, 56.686, 139.592

Rectangle

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



22, 51.521, 337.639



22, 51.521, 27.639



22, 51.521, 157.639



22, 51.521, 207.639

Sweetspot

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



22, 51.334, 337.660



45, 24.891, 332.473



10, 67.568, 307.651



22, 17.096, 332.672



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



22, 51.334, 337.660



30, 61.868, 337.992



20, 44.501, 17.725



20, 3.674, 331.099



25, 55.135, 337.796



55, 94.781, 338.514

Inverse Universe

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



22, 51.334, 337.660



30, 61.868, 337.992



38, 35.700, 163.131



20, 3.674, 331.099



25, 55.135, 337.796



55, 94.781, 338.514

Previews

White Background



This preview shows how the CIELCh color 22, 51.521, 337.639 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 CIE LCh color 22, 51.521, 337.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

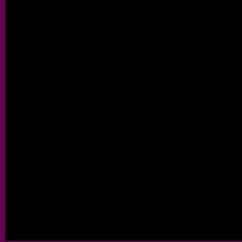
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 51.521, 337.639

Background



This preview shows how black text looks on a background with the CIELCh color 22, 51.521, 337.639.



This preview shows how white text looks on a background with the CIELCh color 22, 51.521, 337.639.

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, 51.521, 337.639

Protanopia

24, 40.755, 284.534

Deuteranopia

24, 14.057, 283.644



Tritanopia
23, 34.088, 27.218

Trichromacy



Original Color
22, 51.521, 337.639

Protanomaly
18, 46.780, 300.952

Deuteranomaly
20, 31.261, 319.890

Tritanomaly
22, 37.553, 2.318

Monochromacy



Original Color
22, 51.521, 337.639

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 25.687, 334.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 51.521, 337.639 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(104, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 83)  
}
```

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(104, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 51.521, 337.639 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(104, 0, 83) }
```

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

```
.border{ border-color:rgb(104, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(104, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 51.521, 337.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 83) }
```

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

```
.background{ background-color: rgb(104, 0,  
83) }
```

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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