

Converting Colors

CIELCh(22, 96.246, 308.126)

Have a look what the booklet for
CIELCh(22, 96.246, 308.126)
contains.

CIELCh(22, 96.144, 308.086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(22, 96.144, 308.086)

Conversions

Conversions Part 1

Format	Color
Hex	2F00AA
RGB	47, 0, 170
RGB Percent	18%, 0%, 67%
CMY	0.8152, 0.9996, 0.3330
CMYK	0.72, 1.00, 0.00, 0.33
HSL	257°, 100%, 33%
HSV	257°, 100%, 67%
XYZ	8.4435, 3.5154, 38.3080
YIQ	33.4330, -26.5580, 62.8340

Conversions

Conversions Part 2

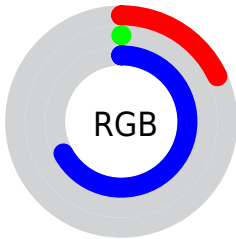
Format	Color
R_{YB}	47, 0, 170
Decimal	3080362
CIE _{Lab}	22.00, 59.31, -75.67
CIE _{LCh}	22, 96.144, 308.086
Yxy	3.5154, 0.1680, 0.0699
Android (android.graphics.Color)	4281270442 (0xFF2F00AA)
YUV	33.4330, 67.3275, 11.8983
Hunter-Lab	18.7494, 47.5726, -108.0140

Details

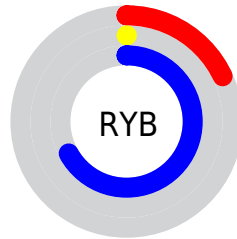
The CIELCh color **22, 96.144, 308.086** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **64, 74.889, 118.643**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 96.376, 308.081**, and **11, 74.799, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 96.178, 308.089**, and if you desaturate by 10%, it is **24, 90.716, 307.988**.

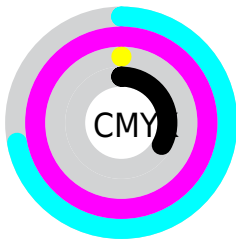
Distribution



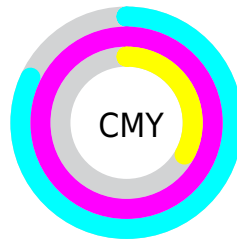
- Red (18%)
- Green (0%)
- Blue (67%)



- Red (18%)
- Yellow (0%)
- Blue (67%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (82%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 96.144, 308.086 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, 96.144, 308.086 by changing the saturation by 10% instead.

 22, 96.144,
308.086


 22, 96.144,
308.086

 100, 96.144,
308.086


 12, 96.144,
308.086


 42, 96.144,
308.086


 2, 96.144, 308.086

 52, 96.144,
308.086

 0, 96.144, 308.086

 62, 96.144,
308.086

 72, 96.144,
308.086

 82, 96.144,
308.086

 92, 96.144,

308.086

■ 22, 96.144,
308.086

■ 22, 96.144,
308.086

■ 22, 96.178,
308.089

■ 24, 90.716,
307.988

■ 28, 82.998,
307.552

■ 32, 73.313,
306.774

■ 37, 62.640,
305.828

■ 42, 51.647,
304.843

■ 48, 40.710,
303.892

■ 53, 30.014,
303.015

■ 59, 19.642,
302.225

■ 64, 9.620, 301.526

Harmonies

Complementary

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



22, 96.144, 308.086



64, 74.889, 118.643

Rectangle

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



22, 96.144, 308.086



22, 96.144, 358.086



22, 96.144, 128.086



22, 96.144, 178.086

Sweetspot

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



22, 96.146, 308.087



68, 37.369, 303.065



49, 34.379, 249.297



33, 25.879, 303.417



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



22, 96.146, 308.087



30, 117.505, 307.935



33, 87.358, 319.603



33, 5.424, 301.483



18, 86.672, 308.188



1, 9.707, 299.455

Inverse Universe

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



38, 69.270, 343.071



50, 84.181, 343.434



61, 86.251, 134.157



33, 5.298, 333.936



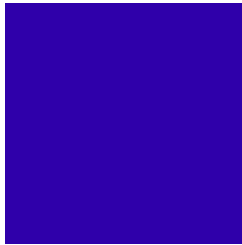
33, 62.642, 342.863



2, 9.109, 336.349

Previews

White Background



This preview shows how the CIE LCh color 22, 96.144, 308.086 looks on a white background.

Color Contrast Check

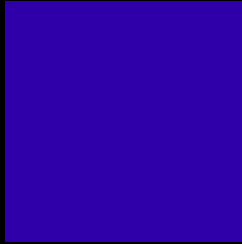
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.144, 308.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

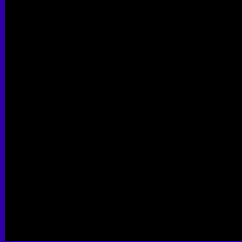
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 96.144, 308.086

Background



This preview shows how black text looks on a background with the CIELCh color 22, 96.144, 308.086.



This preview shows how white text looks on a background with the CIELCh color 22, 96.144, 308.086.

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, 96.144, 308.086

Protanopia

23, 38.992, 283.590

Tritanopia

23, 17.795, 203.070

Trichromacy



Original Color
22, 96.144, 308.086

Protanomaly
20, 65.435, 300.485

Tritanomaly
18, 43.711, 293.838

Monochromacy



Original Color
22, 96.144, 308.086

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 42.737, 306.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 96.144, 308.086 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(47, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(47, 0, 170)  
}
```

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(47, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 0, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 96.144, 308.086 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(47, 0, 170) }
```

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

```
.border{ border-color:rgb(47, 0, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(47, 0, 170)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 96.144, 308.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 0, 170) }
```

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

```
.background{ background-color: rgb(47, 0,  
170) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor