

Converting Colors

CIELCh(22, 94.918, 308.496)

Have a look what the booklet for
CIELCh(22, 94.918, 308.496)
contains.

CIELCh(22, 94.865, 308.437)	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>	27

Color

CIELCh(22, 94.865, 308.437)

Conversions

Conversions Part 1

Format	Color
Hex	3300A8
RGB	51, 0, 168
RGB Percent	20%, 0%, 66%
CMY	0.8008, 1.0000, 0.3418
CMYK	0.70, 1.00, 0.00, 0.34
HSL	258°, 100%, 33%
HSV	258°, 100%, 66%
XYZ	8.4058, 3.5154, 37.2064
YIQ	34.4010, -23.5320, 63.0600

Conversions

Conversions Part 2

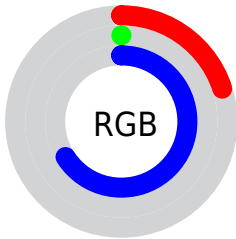
Format	Color
RYB	51, 0, 168
Decimal	3342504
CIELab	22.00, 58.97, -74.31
CIELCh	22, 94.865, 308.437
Yxy	3.5154, 0.1711, 0.0716
Android (android.graphics.Color)	4281532584 (0xFF3300A8)
YUV	34.4010, 65.8643, 14.5573
Hunter-Lab	18.7494, 47.2136, -104.5305

Details

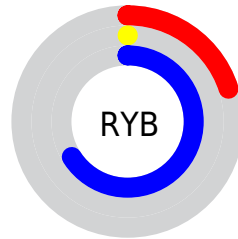
The CIELCh color **22, 94.865, 308.437** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **63, 74.738, 119.900**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 95.284, 308.424**, and **11, 73.877, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 94.816, 308.425**, and if you desaturate by 10%, it is **24, 89.470, 308.398**.

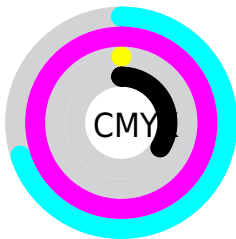
Distribution



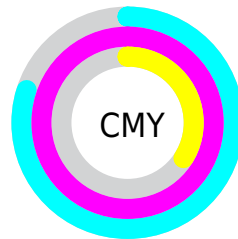
- Red (20%)
- Green (0%)
- Blue (66%)



- Red (20%)
- Yellow (0%)
- Blue (66%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)





- Cyan (80%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 94.865, 308.437 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, 94.865, 308.437 by changing the saturation by 10% instead.

 22, 94.865,
308.437


 22, 94.865,
308.437

 100, 94.865,
308.437


 12, 94.865,
308.437

 42, 94.865,
308.437


 2, 94.865, 308.437

 52, 94.865,
308.437

 0, 94.865, 308.437

 62, 94.865,
308.437

 72, 94.865,
308.437

 82, 94.865,
308.437

 92, 94.865,

308.437

■ 22, 94.865,
308.437

■ 22, 94.865,
308.437

■ 22, 94.816,
308.425

■ 24, 89.470,
308.398

■ 28, 81.945,
308.052

■ 32, 72.483,
307.367

■ 37, 62.019,
306.510

■ 42, 51.201,
305.602

■ 47, 40.405,
304.716

■ 53, 29.825,
303.890

■ 58, 19.548,
303.143

■ 63, 9.608, 302.478

Harmonies

Complementary

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



22, 94.865, 308.437



63, 74.738, 119.900

Rectangle

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



22, 94.865, 308.437



22, 94.865, 358.437



22, 94.865, 128.437



22, 94.865, 178.437

Sweetspot

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



22, 94.816, 308.425



67, 37.107, 303.934



47, 35.682, 255.720



33, 25.445, 304.260



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



22, 94.816, 308.425



30, 115.981, 308.259



34, 86.084, 320.754



33, 5.442, 302.433



19, 86.294, 308.521



1, 9.733, 300.304

Inverse Universe

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



37, 67.468, 344.918



49, 82.061, 345.329



60, 85.901, 134.585



33, 5.201, 334.980



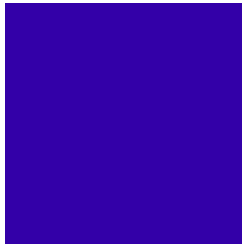
32, 61.602, 344.690



2, 8.924, 337.602

Previews

White Background



This preview shows how the CIE LCh color 22, 94.865, 308.437 looks on a white background.

Color Contrast Check

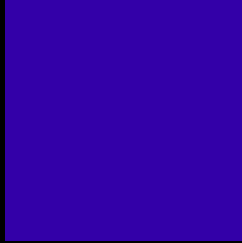
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.865, 308.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

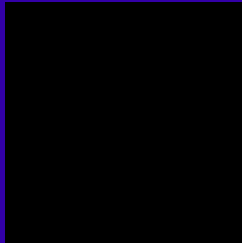
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 94.865, 308.437

Background



This preview shows how black text looks on a background with the CIELCh color 22, 94.865, 308.437.



This preview shows how white text looks on a background with the CIELCh color 22, 94.865, 308.437.

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, 94.865, 308.437

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.761, 269.692



Tritanopia
23, 17.795, 203.070

Trichromacy



Original Color
22, 94.865, 308.437

Protanomaly
20, 65.412, 300.561

Deuteranomaly
19, 57.604, 298.732

Tritanomaly
18, 43.056, 293.774

Monochromacy



Original Color
22, 94.865, 308.437

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 42.705, 307.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 94.865, 308.437 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(51, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(51, 0, 168)  
}
```

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(51, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 94.865, 308.437 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(51, 0, 168) }
```

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

```
.border{ border-color:rgb(51, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(51, 0, 168)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 94.865, 308.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 168) }
```

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

```
.background{ background-color: rgb(51, 0,  
168) }
```

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