

Converting Colors

CIELCh(22, 89.184, 308.210)

Have a look what the booklet for
CIELCh(22, 89.184, 308.210)
contains.

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Color

CIELCh(22, 89.184, 308.210)

Conversions

Conversions Part 1

Format	Color
Hex	3509A1
RGB	53, 9, 161
RGB Percent	21%, 4%, 63%
CMY	0.7926, 0.9653, 0.3690
CMYK	0.67, 0.94, 0.00, 0.37
HSL	257°, 90%, 33%
HSV	257°, 94%, 63%
XYZ	7.9819, 3.5154, 33.9302
YIQ	39.4840, -22.5680, 56.6000

Conversions

Conversions Part 2

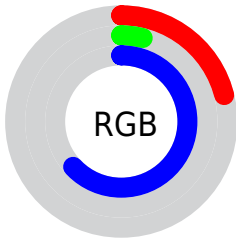
Format	Color
RYB	53, 9, 161
Decimal	3475873
CIELab	22.00, 55.16, -70.08
CIELCh	22, 89.184, 308.210
Yxy	3.5154, 0.1757, 0.0774
Android (android.graphics.Color)	4281665953 (0xFF3509A1)
YUV	39.4840, 59.9074, 11.8535
Hunter-Lab	18.7494, 43.1787, -94.1704

Details

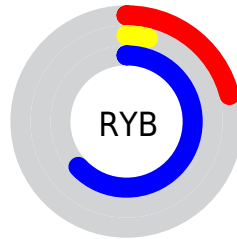
The CIELCh color **22, 89.184, 308.210** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 70.644, 118.796**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 89.162, 308.235**, and **10, 71.094, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 92.075, 308.286**, and if you desaturate by 10%, it is **25, 82.932, 308.014**.

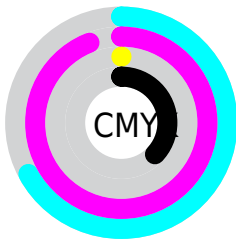
Distribution



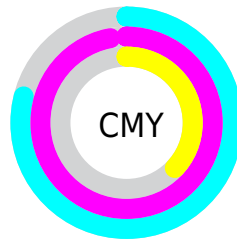
- Red (21%)
- Green (4%)
- Blue (63%)



- Red (21%)
- Yellow (4%)
- Blue (63%)



- Cyan (67%)
- Magenta (94%)
- Yellow (0%)
- Black (37%)



- Cyan (79%)
- Magenta (97%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 89.184, 308.210 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, 89.184, 308.210 by changing the saturation by 10% instead.

■ 22, 89.184,
308.210

■ 22, 89.184,
308.210

■ 100, 89.184,
308.210

■ 12, 89.184,
308.210

■ 42, 89.184,
308.210

■ 2, 89.184, 308.210

■ 52, 89.184,
308.210

■ 0, 89.184, 308.210

■ 62, 89.184,
308.210

■ 72, 89.184,
308.210

■ 82, 89.184,
308.210

■ 92, 89.184,

308.210

■ 22, 89.184,
308.210

■ 22, 89.184,
308.210

■ 21, 92.075,
308.286

■ 25, 82.932,
308.014

■ 29, 74.401,
307.407

■ 33, 64.557,
306.564

■ 38, 54.159,
305.629

■ 43, 43.670,
304.695

■ 48, 33.337,
303.815

■ 53, 23.278,
303.012

■ 59, 13.539,
302.295

■ 64, 4.133, 301.657

Harmonies

Complementary

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



22, 89.184, 308.210



61, 70.644, 118.796

Rectangle

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



22, 89.184, 308.210



22, 89.184, 358.210



22, 89.184, 128.210



22, 89.184, 178.210

Sweetspot

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



22, 89.185, 308.211



66, 33.159, 303.326



46, 32.747, 249.892



32, 23.002, 303.655



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



22, 89.185, 308.211



28, 112.114, 308.121



33, 82.068, 320.423



32, 5.296, 301.953



18, 85.379, 308.364



1, 8.094, 300.375

Inverse Universe

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



36, 65.474, 342.984



47, 79.890, 344.296



58, 81.250, 134.224



32, 5.117, 334.447



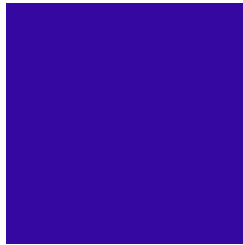
32, 61.350, 343.730



1, 7.591, 336.203

Previews

White Background



This preview shows how the CIE LCh color 22, 89.184, 308.210 looks on a white background.

Color Contrast Check

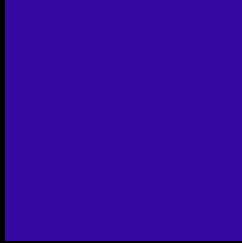
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.184, 308.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

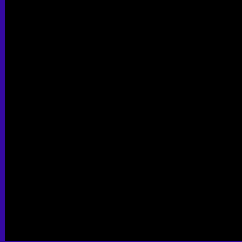
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 89.184, 308.210

Background



This preview shows how black text looks on a background with the CIELCh color 22, 89.184, 308.210.



This preview shows how white text looks on a background with the CIELCh color 22, 89.184, 308.210.

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, 89.184, 308.210

Protanopia

23, 38.443, 283.521

Deuteranopia

22, 27.200, 269.264



Tritanopia
23, 17.603, 203.161

Trichromacy



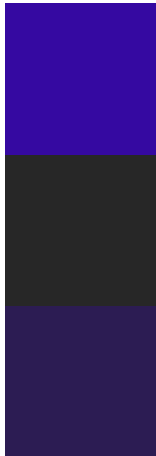
Original Color
22, 89.184, 308.210

Protanomaly
20, 61.056, 299.251

Deuteranomaly
20, 53.045, 297.013

Tritanomaly
19, 38.923, 291.083

Monochromacy



Original Color
22, 89.184, 308.210

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 38.442, 306.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 89.184, 308.210 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(53, 9, 161)` looks like.

```
.text, #text, p{  
    color:rgb(53, 9, 161)  
}
```

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(53, 9, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 9, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 89.184, 308.210 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(53, 9, 161) }
```

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

```
.border{ border-color:rgb(53, 9, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 9, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 9, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 9, 161);  
box-shadow:4px 4px 4px 4px rgb(53, 9, 161)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 89.184, 308.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 9, 161) }
```

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

```
.background{ background-color: rgb(53, 9,  
161) }
```

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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