

Converting Colors

CIELCh(22, 92.447, 309.125)

Have a look what the booklet for
CIELCh(22, 92.447, 309.125)
contains.

CIELCh(22, 92.434, 309.087)	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, 92.434, 309.087)

Conversions

Conversions Part 1

Format	Color
Hex	3900A4
RGB	57, 0, 164
RGB Percent	22%, 0%, 64%
CMY	0.7782, 1.0000, 0.3582
CMYK	0.65, 1.00, 0.00, 0.36
HSL	261°, 100%, 32%
HSV	261°, 100%, 64%
XYZ	8.3275, 3.5154, 35.1994
YIQ	35.7390, -18.6720, 63.0880

Conversions

Conversions Part 2

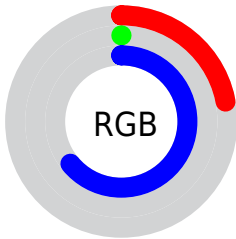
Format	Color
RYB	57, 0, 164
Decimal	3735716
CIELab	22.00, 58.28, -71.75
CIELCh	22, 92.434, 309.087
Yxy	3.5154, 0.1770, 0.0747
Android (android.graphics.Color)	4281925796 (0xFF3900A4)
YUV	35.7390, 63.2327, 18.6459
Hunter-Lab	18.7494, 46.4685, -98.1840

Details

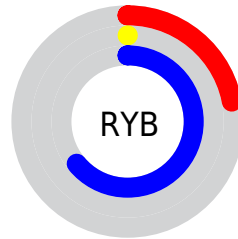
The CIELCh color **22, 92.434, 309.087** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 74.330, 121.869**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 92.099, 309.097**, and **10, 72.489, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 92.323, 309.059**, and if you desaturate by 10%, it is **24, 87.134, 309.142**.

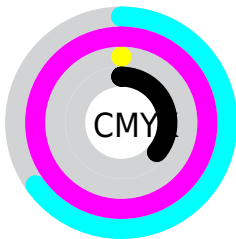
Distribution



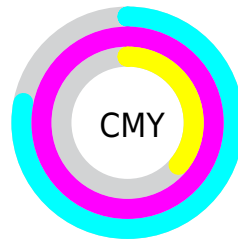
- Red (22%)
- Green (0%)
- Blue (64%)



- Red (22%)
- Yellow (0%)
- Blue (64%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)





- Cyan (78%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 92.434, 309.087 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, 92.434, 309.087 by changing the saturation by 10% instead.

 22, 92.434,
309.087


 22, 92.434,
309.087

 100, 92.434,
309.087


 12, 92.434,
309.087

 42, 92.434,
309.087


 2, 92.434, 309.087

 52, 92.434,
309.087

 0, 92.434, 309.087

 62, 92.434,
309.087

 72, 92.434,
309.087

 82, 92.434,
309.087

 92, 92.434,

309.087

■ 22, 92.434,
309.087

■ 22, 92.434,
309.087

■ 22, 92.323,
309.059

■ 24, 87.134,
309.142

■ 28, 79.929,
308.928

■ 32, 70.848,
308.383

■ 36, 60.746,
307.659

■ 41, 50.242,
306.868

■ 46, 39.708,
306.080

■ 51, 29.345,
305.336

■ 57, 19.251,
304.654

■ 62, 9.469, 304.040

Harmonies

Complementary

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



22, 92.434, 309.087



61, 74.330, 121.869

Rectangle

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



22, 92.434, 309.087



22, 92.434, 359.087



22, 92.434, 129.087



22, 92.434, 179.087

Sweetspot

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



22, 92.323, 309.059



65, 36.209, 305.375



44, 36.982, 261.556



32, 25.053, 305.668



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



22, 92.323, 309.059



30, 112.032, 308.880



34, 84.106, 321.945



32, 5.338, 303.998



19, 84.528, 309.159



1, 8.151, 302.291

Inverse Universe

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



36, 64.566, 348.138



47, 77.903, 348.635



59, 84.708, 134.939



32, 4.916, 336.803



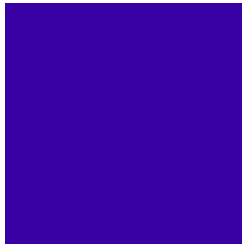
32, 59.300, 347.872



1, 7.283, 338.782

Previews

White Background



This preview shows how the CIELCh color 22, 92.434, 309.087 looks on a white background.

Color Contrast Check

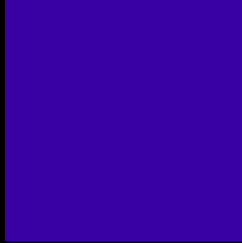
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.434, 309.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

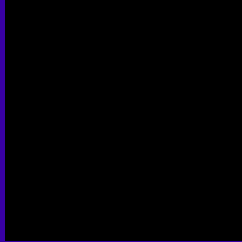
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 92.434, 309.087

Background



This preview shows how black text looks on a background with the CIELCh color 22, 92.434, 309.087.



This preview shows how white text looks on a background with the CIELCh color 22, 92.434, 309.087.

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, 92.434, 309.087

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.761, 269.692



Tritanopia
23, 17.697, 205.361

Trichromacy



Original Color
22, 92.434, 309.087

Protanomaly
20, 64.184, 300.644

Deuteranomaly
19, 56.938, 298.943

Tritanomaly
18, 42.998, 294.352

Monochromacy



Original Color
22, 92.434, 309.087

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 41.326, 307.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 92.434, 309.087 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(57, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 164)  
}
```

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(57, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 92.434, 309.087 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(57, 0, 164) }
```

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

```
.border{ border-color:rgb(57, 0, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 0, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 164)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 92.434, 309.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 164) }
```

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

```
.background{ background-color: rgb(57, 0,  
164) }
```

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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