

Converting Colors

CIELCh(22, 93.461, 305.108)

Have a look what the booklet for
CIELCh(22, 93.461, 305.108)
contains.

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Color

CIELCh(22, 93.470, 305.167)

Conversions

Conversions Part 1

Format	Color
Hex	1212AB
RGB	18, 18, 171
RGB Percent	7%, 7%, 67%
CMY	0.9304, 0.9285, 0.3285
CMYK	0.90, 0.89, 0.00, 0.33
HSL	240°, 81%, 37%
HSV	240°, 90%, 67%
XYZ	7.8374, 3.5154, 38.9102
YIQ	35.4420, -49.1130, 47.5830

Conversions

Conversions Part 2

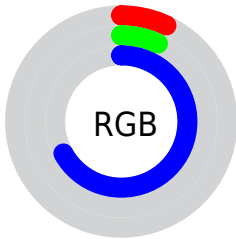
Format	Color
R_{YB}	18, 18, 171
Decimal	1184427
CIE _{Lab}	22.00, 53.84, -76.41
CIE _{LCh}	22, 93.470, 305.167
Yxy	3.5154, 0.1559, 0.0699
Android (android.graphics.Color)	4279374507 (0xFF1212AB)
YUV	35.4420, 66.8301, -15.2966
Hunter-Lab	18.7494, 41.8031, -109.9182

Details

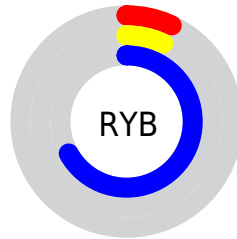
The CIELCh color **22, 93.470, 305.167** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **68, 69.400, 102.898**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 93.770, 305.307**, and **11, 75.259, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **20, 98.944, 306.210**, and if you desaturate by 10%, it is **25, 84.980, 303.522**.

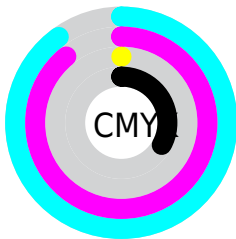
Distribution



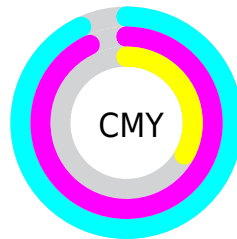
- Red (7%)
- Green (7%)
- Blue (67%)



- Red (7%)
- Yellow (7%)
- Blue (67%)



- Cyan (90%)
- Magenta (89%)
- Yellow (0%)
- Black (33%)





- Cyan (93%)
- Magenta (93%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 93.470, 305.167 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, 93.470, 305.167 by changing the saturation by 10% instead.

 22, 93.470,
305.167


 22, 93.470,
305.167

 100, 93.470,
305.167


 12, 93.470,
305.167


 42, 93.470,
305.167


 2, 93.470, 305.167

 52, 93.470,
305.167

 0, 93.470, 305.167

 62, 93.470,
305.167

 72, 93.470,
305.167

 82, 93.470,
305.167

 92, 93.470,

305.167

■ 22, 93.470,
305.167

■ 22, 93.470,
305.167

■ 20, 98.944,
306.210

■ 25, 84.980,
303.522

■ 20, 99.137,
306.246

■ 30, 74.292,
301.439

■ 35, 62.798,
299.242

■ 41, 51.293,
297.149

■ 47, 40.113,
295.269

■ 52, 29.365,
293.631

■ 58, 19.058,
292.230

■ 64, 9.170, 291.040

■ 70, 0.331, 109.843

Harmonies

Complementary

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



22, 93.470, 305.167



68, 69.400, 102.898

Rectangle

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



22, 93.470, 305.167



22, 93.470, 355.167



22, 93.470, 125.167



22, 93.470, 175.167

Sweetspot

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



22, 93.472, 305.168



69, 32.878, 293.309



64, 36.883, 194.145



34, 22.487, 293.806



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, 93.472, 305.168



28, 120.321, 306.257



28, 88.086, 312.024



33, 5.440, 291.004



17, 90.112, 306.239



1, 11.318, 290.077

Inverse Universe

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



36, 71.523, 36.749



46, 93.997, 39.896



63, 76.869, 126.422



34, 3.817, 19.655



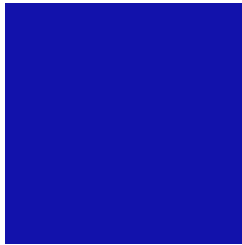
31, 69.867, 39.322



2, 7.802, 19.192

Previews

White Background



This preview shows how the CIE LCh color 22, 93.470, 305.167 looks on a white background.

Color Contrast Check

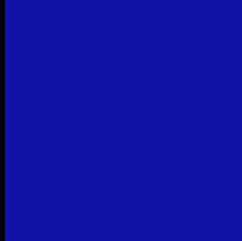
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.470, 305.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

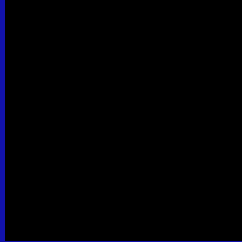
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 93.470, 305.167

Background



This preview shows how black text looks on a background with the CIELCh color 22, 93.470, 305.167.



This preview shows how white text looks on a background with the CIELCh color 22, 93.470, 305.167.

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, 93.436, 305.198

Protanopia

22, 38.504, 283.921

Deuteranopia

22, 26.655, 268.287



Tritanopia
22, 17.411, 203.255

Trichromacy



Original Color
22, 93.436, 305.198

Protanomaly
21, 60.976, 297.573

Deuteranomaly
20, 52.929, 294.870

Tritanomaly
20, 38.899, 287.608

Monochromacy



Original Color
22, 93.436, 305.198

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 38.517, 299.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 93.470, 305.167 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(18, 18, 171)` looks like.

```
.text, #text, p{  
    color:rgb(18, 18, 171)  
}
```

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(18, 18, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 18, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 93.470, 305.167 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(18, 18, 171) }
```

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

```
.border{ border-color:rgb(18, 18, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 18, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 18, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 18, 171);  
box-shadow:4px 4px 4px 4px rgb(18, 18,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 93.470, 305.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 18, 171) }
```

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

```
.background{ background-color: rgb(18, 18,  
171) }
```

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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