

Converting Colors

CIELCh(22, 58.112, 309.856)

Have a look what the booklet for
CIELCh(22, 58.112, 309.856)
contains.

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Color

CIELCh(22, 57.941, 309.956)

Conversions

Conversions Part 1

Format	Color
Hex	431F78
RGB	67, 31, 120
RGB Percent	26%, 12%, 47%
CMY	0.7378, 0.8789, 0.5299
CMYK	0.44, 0.74, 0.00, 0.53
HSL	264°, 59%, 30%
HSV	264°, 74%, 47%
XYZ	6.1750, 3.5154, 18.0814
YIQ	51.9100, -7.1130, 35.3110

Conversions

Conversions Part 2

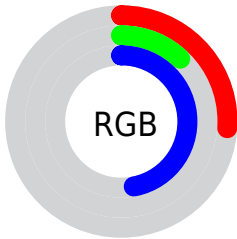
Format	Color
R_{YB}	67, 31, 120
Decimal	4398968
CIE _{Lab}	22.00, 37.21, -44.41
CIE _{LCh}	22, 57.941, 309.956
Yxy	3.5154, 0.2223, 0.1266
Android (android.graphics.Color)	4282589048 (0xFF431F78)
YUV	51.9100, 33.5684, 13.2339
Hunter-Lab	18.7494, 25.9759, -44.0530

Details

The CIELCh color **22, 57.941, 309.956** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **46, 50.400, 122.760**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 57.555, 309.878**, and **5, 49.869, 306.962** is the 20% darker color. If you saturate the color by 10%, you get **19, 64.505, 310.269**, and if you desaturate by 10%, it is **25, 50.432, 309.439**.

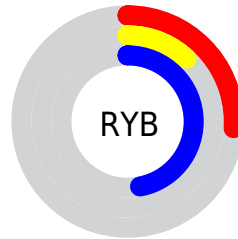
Distribution



Red (26%)

Green (12%)

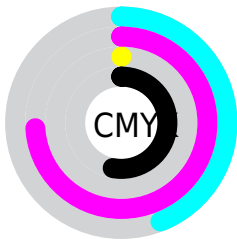
Blue (47%)



Red (26%)

Yellow (12%)

Blue (47%)

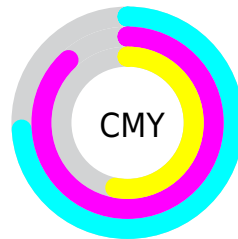


Cyan (44%)

Magenta (74%)

Yellow (0%)

Black (53%)



Cyan (74%)


Magenta (88%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 57.941, 309.956 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, 57.941, 309.956 by changing the saturation by 10% instead.

 22, 57.941,
309.956


 22, 57.941,
309.956

 100, 57.941,
309.956


 12, 57.941,
309.956


 42, 57.941,
309.956


 2, 57.941, 309.956

 52, 57.941,
309.956

 0, 57.941, 309.956

 62, 57.941,
309.956

 72, 57.941,
309.956

 82, 57.941,
309.956

 92, 57.941,

309.956

■ 22, 57.941,
309.956

■ 22, 57.941,
309.956

■ 19, 64.505,
310.269

■ 25, 50.432,
309.439

■ 17, 69.626,
310.278

■ 29, 42.457,
308.817

■ 15, 72.533,
310.353

■ 33, 34.335,
308.163

■ 37, 26.259,
307.520

■ 41, 18.333,
306.914

■ 45, 10.610,
306.355

■ 49, 3.113, 305.839

■ 53, 4.152, 125.424

■ 57, 11.187,
125.019

Harmonies

Complementary

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



22, 57.941, 309.956



46, 50.400, 122.760

Rectangle

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



22, 57.941, 309.956



22, 57.941, 359.956



22, 57.941, 129.956



22, 57.941, 179.956

Sweetspot

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



22, 57.941, 309.957



53, 20.546, 306.815



34, 25.740, 259.371



26, 13.956, 306.939



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



22, 57.941, 309.957



24, 82.386, 310.297



29, 57.492, 324.554



24, 4.237, 306.086



16, 74.764, 310.306



38, 126.651, 309.741

Inverse Universe

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



28, 44.523, 346.511



35, 59.147, 349.913



44, 57.725, 136.528



24, 3.709, 339.451



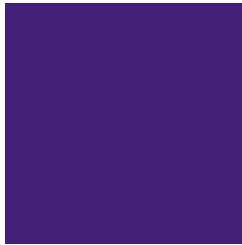
26, 51.727, 352.142



55, 86.277, 353.956

Previews

White Background



This preview shows how the CIELCh color 22, 57.941, 309.956 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, 57.941, 309.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

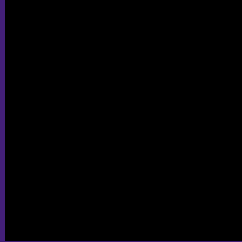
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 57.941, 309.956

Background



This preview shows how black text looks on a background with the CIELCh color 22, 57.941, 309.956.



This preview shows how white text looks on a background with the CIELCh color 22, 57.941, 309.956.

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

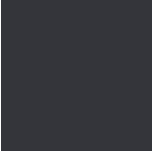
22, 57.941, 309.956

Protanopia

22, 38.504, 283.921

Deuteranopia

22, 27.744, 270.717



Tritanopia
22, 3.376, 283.380

Trichromacy



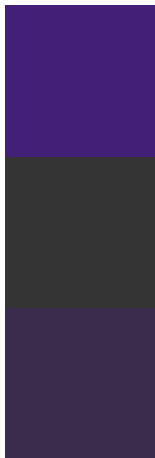
Original Color
22, 57.941, 309.956

Protanomaly
21, 46.256, 294.309

Deuteranomaly
21, 38.492, 290.477

Tritanomaly
21, 24.120, 306.024

Monochromacy



Original Color
22, 57.941, 309.956

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 22.963, 307.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 57.941, 309.956 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(67, 31, 120)` looks like.

```
.text, #text, p{  
    color:rgb(67, 31, 120)  
}
```

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(67, 31, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 31, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 57.941, 309.956 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(67, 31, 120) }
```

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

```
.border{ border-color:rgb(67, 31, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 31, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 31, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 31, 120);  
box-shadow:4px 4px 4px 4px rgb(67, 31,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 57.941, 309.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 31, 120) }
```

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

```
.background{ background-color: rgb(67, 31,  
120) }
```

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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