

Converting Colors

CIELCh(22, 42.971, 350.297)

Have a look what the booklet for
CIELCh(22, 42.971, 350.297)
contains.

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Color

CIELCh(22, 42.788, 350.668)

Conversions

Conversions Part 1

Format	Color
Hex	670C40
RGB	103, 12, 64
RGB Percent	40%, 5%, 25%
CMY	0.5961, 0.9530, 0.7491
CMYK	0.00, 0.88, 0.38, 0.60
HSL	326°, 79%, 23%
HSV	326°, 88%, 40%
XYZ	6.6485, 3.5154, 5.1771
YIQ	45.1370, 37.5440, 35.4640

Conversions

Conversions Part 2

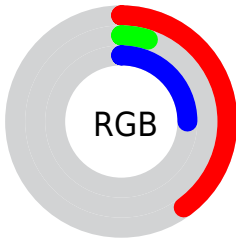
Format	Color
RYB	103, 12, 64
Decimal	6753344
CIELab	22.00, 42.22, -6.94
CIElCh	22, 42.788, 350.668
Yxy	3.5154, 0.4334, 0.2292
Android (android.graphics.Color)	4284943424 (0xFF670C40)
YUV	45.1370, 9.2995, 50.7459
Hunter-Lab	18.7494, 30.4841, -3.2465

Details

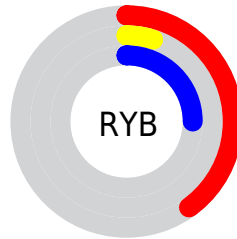
The CIELCh color **22, 42.788, 350.668** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 43.809, 149.279**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 42.909, 350.653**, and **7, 27.812, 1.647** is the 20% darker color. If you saturate the color by 10%, you get **21, 44.482, 353.027**, and if you desaturate by 10%, it is **23, 40.369, 348.577**.

Distribution



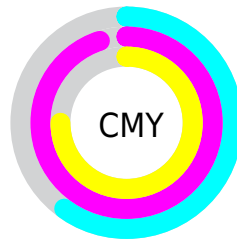
- Red (40%)
- Green (5%)
- Blue (25%)



- Red (40%)
- Yellow (5%)
- Blue (25%)



- Cyan (0%)
- Magenta (88%)
- Yellow (38%)
- Black (60%)



- Cyan (60%)
- Magenta (95%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 42.788, 350.668 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, 42.788, 350.668 by changing the saturation by 10% instead.

 22, 42.788,
350.668

 22, 42.788,
350.668

 100, 42.788,
350.668

 12, 42.788,
350.668

 42, 42.788,
350.668

 2, 42.788, 350.668

 52, 42.788,
350.668

 0, 42.788, 350.668

 62, 42.788,
350.668

 72, 42.788,
350.668

 82, 42.788,
350.668

 92, 42.788,

350.668

■ 22, 42.788,
350.668

■ 22, 42.788,
350.668

■ 21, 44.482,
353.027

■ 23, 40.369,
348.577

■ 21, 44.784,
353.400

■ 25, 36.833,
346.868

■ 27, 32.394,
345.445

■ 30, 27.311,
344.229

■ 32, 21.827,
343.167

■ 35, 16.139,
342.219

■ 38, 10.394,
341.357

■ 41, 4.691, 340.550

■ 44, 0.906, 160.140

Harmonies

Complementary

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



22, 42.788, 350.668



38, 43.809, 149.279

Rectangle

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



22, 42.788, 350.668



22, 42.788, 40.668



22, 42.788, 170.668



22, 42.788, 220.668

Sweetspot

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



22, 42.786, 350.669



46, 19.206, 342.168



15, 59.158, 310.572



22, 13.051, 342.387



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



22, 42.786, 350.669



29, 54.119, 354.442



21, 44.669, 29.915



20, 3.128, 340.595



24, 48.247, 353.840



53, 82.873, 356.055

Inverse Universe

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



22, 42.786, 350.669



29, 54.119, 354.442



39, 26.426, 186.026



20, 3.128, 340.595



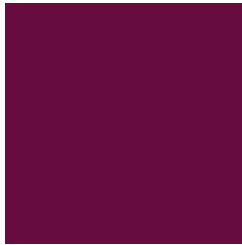
24, 48.247, 353.840



53, 82.873, 356.055

Previews

White Background



This preview shows how the CIE LCh color 22, 42.788, 350.668 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, 42.788, 350.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

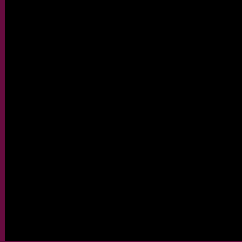
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 42.788, 350.668

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.788, 350.668.



This preview shows how white text looks on a background with the CIELCh color 22, 42.788, 350.668.

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, 42.788, 350.668

Protanopia

23, 24.138, 285.016

Deuteranopia

23, 4.408, 315.010



Tritanopia
22, 37.912, 29.135

Trichromacy



Original Color
22, 42.788, 350.668

Protanomaly
21, 29.779, 314.433

Deuteranomaly
21, 21.124, 340.894

Tritanomaly
22, 37.605, 14.236

Monochromacy



Original Color
22, 42.788, 350.668

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 19.610, 343.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 42.788, 350.668 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(103, 12, 64)` looks like.

```
.text, #text, p{  
    color:rgb(103, 12, 64)  
}
```

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(103, 12, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 12, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.788, 350.668 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(103, 12, 64) }
```

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

```
.border{ border-color:rgb(103, 12, 64) }
```

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

Here you see how a box with a 4 pixel rgb(103, 12, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 12, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 12, 64);  
box-shadow:4px 4px 4px 4px rgb(103, 12,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.788, 350.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 12, 64) }
```

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

```
.background{ background-color: rgb(103, 12,  
64) }
```

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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