

Converting Colors

CIELCh(22, 42.279, 351.921)

Have a look what the booklet for
CIELCh(22, 42.279, 351.921)
contains.

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Color

CIELCh(22, 42.301, 351.607)

Conversions

Conversions Part 1

Format	Color
Hex	670D3F
RGB	103, 13, 63
RGB Percent	40%, 5%, 25%
CMY	0.5966, 0.9498, 0.7534
CMYK	0.00, 0.88, 0.39, 0.60
HSL	327°, 78%, 23%
HSV	327°, 88%, 40%
XYZ	6.6124, 3.5154, 5.0150
YIQ	45.6100, 37.5900, 34.6300

Conversions

Conversions Part 2

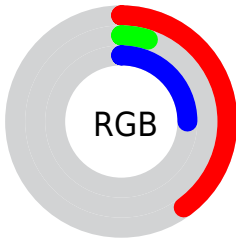
Format	Color
RYB	103, 13, 63
Decimal	6753599
CIELab	22.00, 41.85, -6.17
CIELCh	22, 42.301, 351.607
Yxy	3.5154, 0.4367, 0.2322
Android (android.graphics.Color)	4284943679 (0xFF670D3F)
YUV	45.6100, 8.5733, 50.3310
Hunter-Lab	18.7494, 30.1402, -2.7341




Details

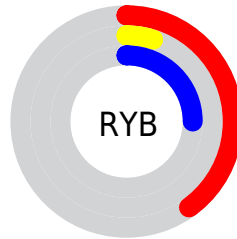
The CIELCh color **22, 42.301, 351.607** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 42.877, 150.130**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **42, 42.686, 351.374**, and **7, 27.734, 3.003** is the 20% darker color. If you saturate the color by 10%, you get **21, 44.023, 354.085**, and if you desaturate by 10%, it is **23, 39.780, 349.451**.

Distribution







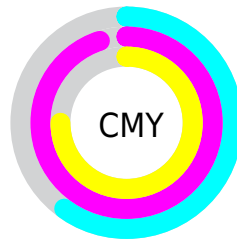
-  Red (40%)
-  Green (5%)
-  Blue (25%)






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



-  Cyan (0%)
-  Magenta (88%)
-  Yellow (39%)
-  Black (60%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 42.301, 351.607 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, 42.301, 351.607 by changing the saturation by 10% instead.

 22, 42.301,
351.607


 22, 42.301,
351.607

 100, 42.301,
351.607


 12, 42.301,
351.607


 42, 42.301,
351.607


 2, 42.301, 351.607

 52, 42.301,
351.607

 0, 42.301, 351.607

 62, 42.301,
351.607

 72, 42.301,
351.607

 82, 42.301,
351.607

 92, 42.301,

351.607

■ 22, 42.301,
351.607

■ 22, 42.301,
351.607

■ 21, 44.023,
354.085

■ 23, 39.780,
349.451

■ 21, 44.479,
354.671

■ 25, 36.173,
347.694

■ 27, 31.696,
346.233

■ 30, 26.608,
344.990

■ 32, 21.147,
343.906

■ 35, 15.503,
342.943

■ 38, 9.817, 342.069

■ 41, 4.184, 341.248

■ 44, 1.336, 160.757

Harmonies

Complementary

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



22, 42.301, 351.607



38, 42.877, 150.130

Rectangle

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



22, 42.301, 351.607



22, 42.301, 41.607



22, 42.301, 171.607



22, 42.301, 221.607

Sweetspot

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



22, 42.299, 351.608



46, 18.020, 342.867



15, 58.583, 310.947



22, 12.127, 343.084



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



22, 42.299, 351.608



28, 53.091, 355.705



21, 44.681, 30.682



20, 3.095, 341.360



24, 47.966, 355.140



53, 82.449, 357.474

Inverse Universe

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



22, 42.299, 351.608



28, 53.091, 355.705



39, 25.941, 188.074



20, 3.095, 341.360



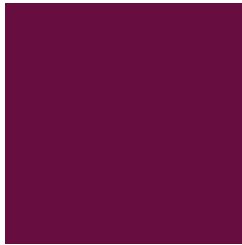
24, 47.966, 355.140



53, 82.449, 357.474

Previews

White Background



This preview shows how the CIE LCh color 22, 42.301, 351.607 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, 42.301, 351.607 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, 42.301, 351.607

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.301, 351.607.



This preview shows how white text looks on a background with the CIELCh color 22, 42.301, 351.607.

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, 42.301, 351.607

Protanopia
23, 22.815, 284.765

Deuteranopia
23, 4.863, 324.899



Tritanopia
22, 37.912, 29.135

Trichromacy



Original Color
22, 42.301, 351.607

Protanomaly
20, 28.583, 315.314

Deuteranomaly
21, 21.762, 342.853

Tritanomaly
22, 37.605, 14.236

Monochromacy



Original Color
22, 42.301, 351.607

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, 42.301, 351.607 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, 13, 63)` looks like.

```
.text, #text, p{  
    color:rgb(103, 13, 63)  
}
```

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, 13, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 13, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.301, 351.607 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, 13, 63) }
```

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

```
.border{ border-color:rgb(103, 13, 63) }
```

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

Here you see how a box with a 4 pixel rgb(103, 13, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 13, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 13, 63);  
box-shadow:4px 4px 4px 4px rgb(103, 13,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.301, 351.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 13, 63) }
```

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

```
.background{ background-color: rgb(103, 13,  
63) }
```

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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