

Converting Colors

CIELCh(22, 42.080, 352.373)

Have a look what the booklet for
CIELCh(22, 42.080, 352.373)
contains.

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Color

CIELCh(22, 42.099, 352.435)

Conversions

Conversions Part 1

Format	Color
Hex	670D3E
RGB	103, 13, 62
RGB Percent	40%, 5%, 24%
CMY	0.5962, 0.9492, 0.7570
CMYK	0.00, 0.87, 0.40, 0.60
HSL	327°, 78%, 23%
HSV	327°, 87%, 40%
XYZ	6.6013, 3.5154, 4.8836
YIQ	45.4960, 37.9110, 34.3190

Conversions

Conversions Part 2

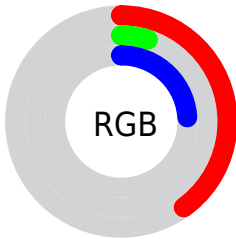
Format	Color
RYB	103, 13, 62
Decimal	6753598
CIELab	22.00, 41.73, -5.54
CIElCh	22, 42.099, 352.435
Yxy	3.5154, 0.4401, 0.2344
Android (android.graphics.Color)	4284943678 (0xFF670D3E)
YUV	45.4960, 8.1365, 50.4310
Hunter-Lab	18.7494, 30.0343, -2.3184

Details

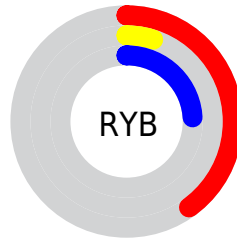
The CIELCh color **22, 42.099, 352.435** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 42.409, 150.685**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 42.263, 352.843**, and **7, 27.673, 4.313** is the 20% darker color. If you saturate the color by 10%, you get **21, 43.841, 355.004**, and if you desaturate by 10%, it is **23, 39.554, 350.208**.

Distribution



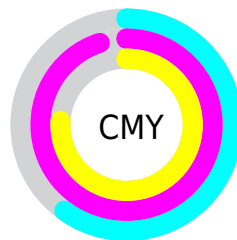
- Red (40%)
- Green (5%)
- Blue (24%)



- Red (40%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (87%)
- Yellow (40%)
- Black (60%)





- Cyan (60%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 42.099, 352.435 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, 42.099, 352.435 by changing the saturation by 10% instead.

 22, 42.099,
352.435


 22, 42.099,
352.435

 100, 42.099,
352.435


 12, 42.099,
352.435


 42, 42.099,
352.435


 2, 42.099, 352.435

 52, 42.099,
352.435

 0, 42.099, 352.435

 62, 42.099,
352.435

 72, 42.099,
352.435

 82, 42.099,
352.435

 92, 42.099,

352.435

■ 22, 42.099,
352.435

■ 22, 42.099,
352.435

■ 21, 43.841,
355.004

■ 23, 39.554,
350.208

■ 21, 44.327,
355.645

■ 25, 35.935,
348.398

■ 27, 31.459,
346.897

■ 30, 26.382,
345.624

■ 32, 20.942,
344.519

■ 35, 15.327,
343.538

■ 38, 9.675, 342.652

■ 41, 4.081, 341.819

■ 44, 1.398, 161.317

Harmonies

Complementary

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



22, 42.099, 352.435



38, 42.409, 150.685

Rectangle

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



22, 42.099, 352.435



22, 42.099, 42.435



22, 42.099, 172.435



22, 42.099, 222.435

Sweetspot

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



22, 42.097, 352.436



46, 17.887, 343.474



16, 58.443, 311.336



22, 12.038, 343.694



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, 42.097, 352.436



28, 52.886, 356.714



21, 45.074, 31.660



20, 3.070, 341.944



24, 47.774, 356.127



52, 82.170, 358.550

Inverse Universe

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



22, 42.097, 352.436



28, 52.886, 356.714



39, 25.605, 190.113



20, 3.070, 341.944



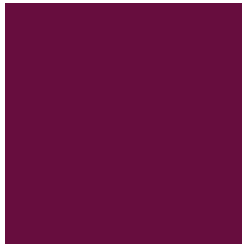
24, 47.774, 356.127



52, 82.170, 358.550

Previews

White Background



This preview shows how the CIE LCh color 22, 42.099, 352.435 looks on a white background.

Color Contrast Check

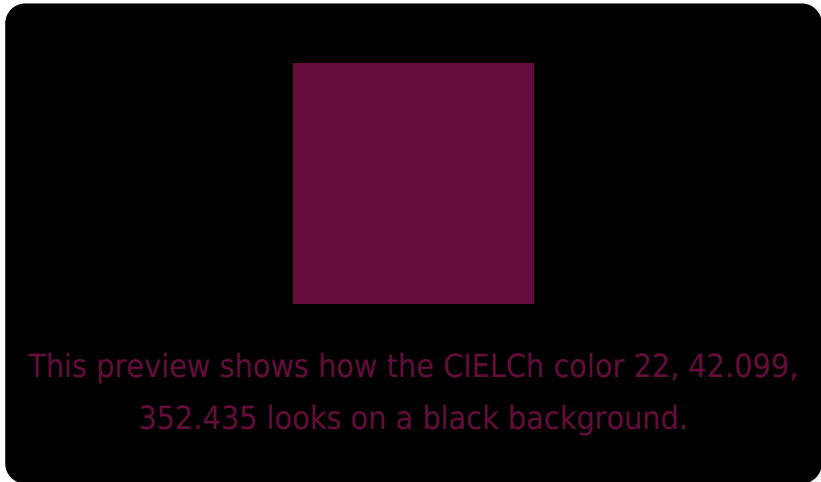
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

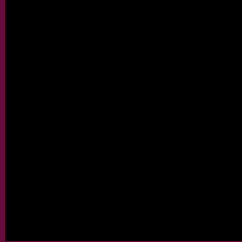
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 42.099, 352.435

Background



This preview shows how black text looks on a background with the CIELCh color 22, 42.099, 352.435.



This preview shows how white text looks on a background with the CIELCh color 22, 42.099, 352.435.

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, 42.099, 352.435

Protanopia

23, 22.131, 285.051

Deuteranopia

23, 4.333, 329.891



Tritanopia
22, 37.912, 29.135

Trichromacy



Original Color
22, 42.099, 352.435

Protanomaly
21, 28.085, 316.596

Deuteranomaly
21, 21.409, 344.314

Tritanomaly
22, 37.695, 15.241

Monochromacy



Original Color
22, 42.099, 352.435

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 19.261, 345.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 42.099, 352.435 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(103, 13, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 13, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 42.099, 352.435 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, 62) }
```

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

```
.border{ border-color:rgb(103, 13, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 13, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 13, 62);  
box-shadow:4px 4px 4px 4px rgb(103, 13,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 42.099, 352.435 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, 62) }
```

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

```
.background{ background-color: rgb(103, 13,  
62) }
```

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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