

Converting Colors

CIELCh(22, 45.373, 356.814)

Have a look what the booklet for
CIELCh(22, 45.373, 356.814)
contains.

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Color

CIELCh(22, 45.459, 356.634)

Conversions

Conversions Part 1

Format	Color
Hex	6C013A
RGB	108, 1, 58
RGB Percent	42%, 0%, 23%
CMY	0.5765, 0.9960, 0.7725
CMYK	0.00, 0.99, 0.46, 0.58
HSL	328°, 98%, 21%
HSV	328°, 99%, 42%
XYZ	6.9590, 3.5154, 4.3148
YIQ	39.4910, 45.4750, 40.4110

Conversions

Conversions Part 2

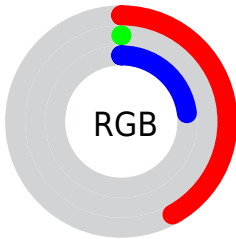
Format	Color
R_{YB}	108, 1, 58
Decimal	7078202
CIE Lab	22.00, 45.38, -2.67
CIE LCh	22, 45.459, 356.634
Yxy	3.5154, 0.4705, 0.2377
Android (android.graphics.Color)	4285268282 (0xFF6C013A)
YUV	39.4910, 9.1249, 60.0824
Hunter-Lab	18.7494, 33.4405, -0.5198

Details

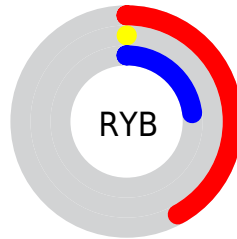
The CIELCh color **22, 45.459, 356.634** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 47.360, 148.945**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 45.409, 356.823**, and **8, 29.172, 12.791** is the 20% darker color. If you saturate the color by 10%, you get **22, 45.632, 356.883**, and if you desaturate by 10%, it is **23, 43.741, 353.897**.

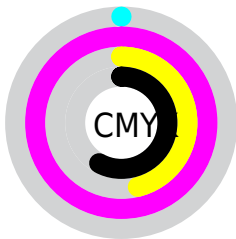
Distribution



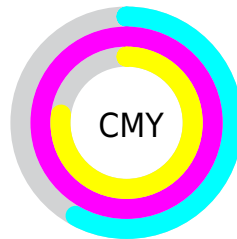
- Red (42%)
- Green (0%)
- Blue (23%)



- Red (42%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (99%)
- Yellow (46%)
- Black (58%)





- Cyan (58%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 45.459, 356.634 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, 45.459, 356.634 by changing the saturation by 10% instead.

 22, 45.459,
356.634


 22, 45.459,
356.634

 100, 45.459,
356.634


 12, 45.459,
356.634


 42, 45.459,
356.634


 2, 45.459, 356.634

 52, 45.459,
356.634

 0, 45.459, 356.634

 62, 45.459,
356.634

 72, 45.459,
356.634

 82, 45.459,
356.634

 92, 45.459,

356.634

■ 22, 45.459,
356.634

■ 22, 45.459,
356.634

■ 22, 45.632,
356.883

■ 23, 43.741,
353.897

■ 24, 41.338,
351.468

■ 26, 37.789,
349.506

■ 28, 33.302,
347.895

■ 31, 28.143,
346.540

■ 34, 22.568,
345.374

■ 36, 16.784,
344.348

■ 40, 10.945,
343.426

■ 43, 5.155, 342.573

Harmonies

Complementary

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



22, 45.459, 356.634



40, 47.360, 148.945

Rectangle

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



22, 45.459, 356.634



22, 45.459, 46.634



22, 45.459, 176.634



22, 45.459, 226.634

Sweetspot

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



22, 45.457, 356.635



47, 21.478, 344.519



14, 65.937, 311.702



22, 14.775, 344.839



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 45.457, 356.635



30, 54.844, 357.986



21, 51.937, 35.233



21, 3.173, 342.564



24, 48.330, 357.255



53, 82.564, 359.697

Inverse Universe

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



22, 45.457, 356.635



30, 54.844, 357.986



41, 27.221, 191.670



21, 3.173, 342.564



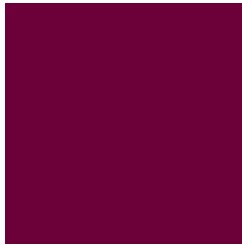
24, 48.330, 357.255



53, 82.564, 359.697

Previews

White Background



This preview shows how the CIE LCh color 22, 45.459, 356.634 looks on a white background.

Color Contrast Check

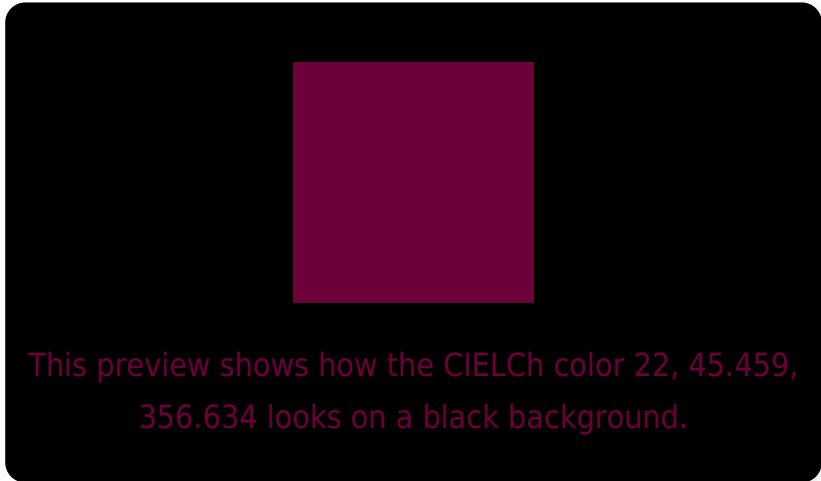
Large Text (above 18pt) WCAG AA ✓ Pass

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

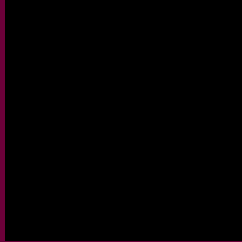
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 45.459, 356.634

Background



This preview shows how black text looks on a background with the CIELCh color 22, 45.459, 356.634.



This preview shows how white text looks on a background with the CIELCh color 22, 45.459, 356.634.

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, 45.459, 356.634

Protanopia

24, 18.720, 284.080

Deuteranopia

24, 4.014, 39.186



Tritanopia
23, 42.652, 31.735

Trichromacy



Original Color
22, 45.459, 356.634

Protanomaly
20, 29.039, 322.235

Deuteranomaly
21, 23.570, 351.973

Tritanomaly
22, 42.088, 18.110

Monochromacy



Original Color
22, 45.459, 356.634

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 22.459, 347.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 45.459, 356.634 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(108, 1, 58)` looks like.

```
.text, #text, p{  
    color:rgb(108, 1, 58)  
}
```

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(108, 1, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 1, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 45.459, 356.634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

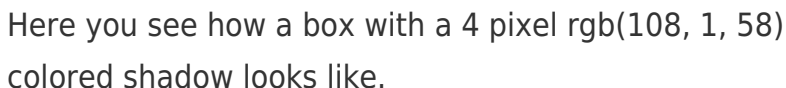
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 1, 58) }
```

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

```
.border{ border-color:rgb(108, 1, 58) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 1, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 1, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 1, 58);  
box-shadow:4px 4px 4px 4px rgb(108, 1, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 45.459, 356.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 1, 58) }
```

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

```
.background{ background-color: rgb(108, 1,  
58) }
```

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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