

Converting Colors

CIELCh(22, 39.046, 353.850)

Have a look what the booklet for
CIELCh(22, 39.046, 353.850)
contains.

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Color

CIELCh(22, 39.059, 353.649)

Conversions

Conversions Part 1

Format	Color
Hex	64133C
RGB	100, 19, 60
RGB Percent	39%, 7%, 24%
CMY	0.6073, 0.9249, 0.7643
CMYK	0.00, 0.81, 0.40, 0.61
HSL	330°, 68%, 23%
HSV	330°, 81%, 39%
XYZ	6.3245, 3.5154, 4.6360
YIQ	47.8930, 35.1150, 29.9230

Conversions

Conversions Part 2

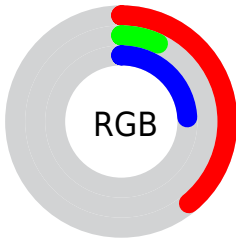
Format	Color
R_{YB}	100, 19, 60
Decimal	6558524
CIE Lab	22.00, 38.82, -4.32
CIE LCh	22, 39.059, 353.649
Yxy	3.5154, 0.4369, 0.2428
Android (android.graphics.Color)	4284748604 (0xFF64133C)
YUV	47.8930, 5.9688, 45.6978
Hunter-Lab	18.7494, 27.3995, -1.5355

Details

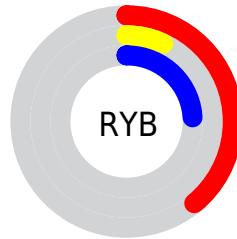
The CIELCh color **22, 39.059, 353.649** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 37.826, 153.841**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 39.015, 353.738**, and **7, 26.748, 5.371** is the 20% darker color. If you saturate the color by 10%, you get **21, 41.245, 356.306**, and if you desaturate by 10%, it is **24, 35.822, 351.512**.

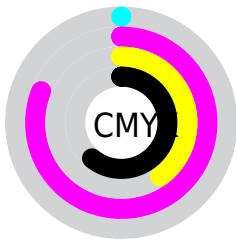
Distribution



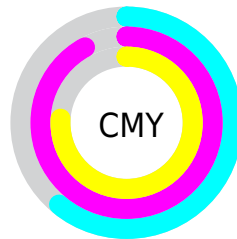
- Red (39%)
- Green (7%)
- Blue (24%)



- Red (39%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (81%)
- Yellow (40%)
- Black (61%)





- Cyan (61%)
- Magenta (92%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 39.059, 353.649 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, 39.059, 353.649 by changing the saturation by 10% instead.

 22, 39.059,
353.649


 22, 39.059,
353.649

 100, 39.059,
353.649


 12, 39.059,
353.649


 42, 39.059,
353.649


 2, 39.059, 353.649

 52, 39.059,
353.649

 0, 39.059, 353.649

 62, 39.059,
353.649

 72, 39.059,
353.649

 82, 39.059,
353.649

 92, 39.059,

353.649

■ 22, 39.059,
353.649

■ 22, 39.059,
353.649

■ 21, 41.245,
356.306

■ 24, 35.822,
351.512

■ 20, 42.992,
358.846

■ 26, 31.713,
349.767

■ 28, 26.970,
348.312

■ 31, 21.827,
347.071

■ 33, 16.480,
345.989

■ 36, 11.075,
345.026

■ 39, 5.712, 344.146

■ 42, 0.453, 342.869

■ 45, 4.664, 162.744

Harmonies

Complementary

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



22, 39.059, 353.649



37, 37.826, 153.841

Rectangle

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



22, 39.059, 353.649



22, 39.059, 43.649



22, 39.059, 173.649



22, 39.059, 223.649

Sweetspot

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



22, 39.057, 353.650



45, 15.836, 345.383



17, 53.659, 312.112



22, 10.981, 345.633



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, 39.057, 353.650



27, 51.110, 359.138



21, 41.664, 31.358



20, 2.990, 343.981



23, 47.253, 359.535



52, 81.486, 2.251

Inverse Universe

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



22, 39.057, 353.650



27, 51.110, 359.138



38, 23.785, 194.514



20, 2.990, 343.981



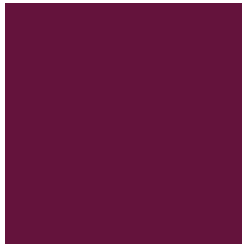
23, 47.253, 359.535



52, 81.486, 2.251

Previews

White Background



This preview shows how the CIE LCh color 22, 39.059, 353.649 looks on a white background.

Color Contrast Check

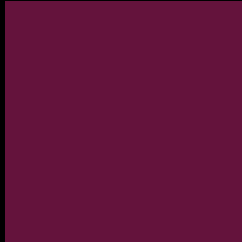
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.059, 353.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

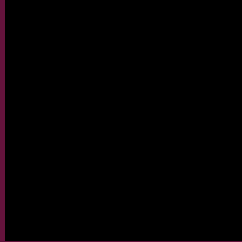
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 39.059, 353.649

Background



This preview shows how black text looks on a background with the CIELCh color 22, 39.059, 353.649.



This preview shows how white text looks on a background with the CIELCh color 22, 39.059, 353.649.

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, 39.059, 353.649

Protanopia

23, 18.820, 284.260

Deuteranopia

23, 3.425, 344.330



Tritanopia
22, 35.396, 28.146

Trichromacy



Original Color
22, 39.059, 353.649

Protanomaly
21, 24.226, 318.294

Deuteranomaly
21, 18.314, 348.533

Tritanomaly
22, 35.361, 14.575

Monochromacy



Original Color
22, 39.059, 353.649

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 16.354, 348.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 39.059, 353.649 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(100, 19, 60)` looks like.

```
.text, #text, p{  
    color:rgb(100, 19, 60)  
}
```

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(100, 19, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 19, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 39.059, 353.649 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(100, 19, 60) }
```

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

```
.border{ border-color:rgb(100, 19, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 19, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 19, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 19, 60);  
box-shadow:4px 4px 4px 4px rgb(100, 19,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 39.059, 353.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 19, 60) }
```

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

```
.background{ background-color: rgb(100, 19,  
60) }
```

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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