

Converting Colors

CIELCh(51, 42.661, 123.860)

Have a look what the booklet for
CIELCh(51, 42.661, 123.860)
contains.

CIELCh(51, 42.693, 123.848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 42.693, 123.848)

Conversions

Conversions Part 1

Format	Color
Hex	64833A
RGB	100, 131, 58
RGB Percent	39%, 51%, 23%
CMY	0.6076, 0.4860, 0.7723
CMYK	0.24, 0.00, 0.56, 0.49
HSL	85°, 39%, 37%
HSV	85°, 56%, 51%
XYZ	14.1525, 19.2686, 6.9842
YIQ	113.4090, 4.9570, -29.2750

Conversions

Conversions Part 2

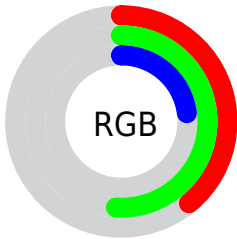
Format	Color
RYB	58, 131, 89
Decimal	6587194
CIELab	51.00, -23.78, 35.46
CIELCh	51, 42.693, 123.848
Yxy	19.2686, 0.3503, 0.4769
Android (android.graphics.Color)	4284777274 (0xFF64833A)
YUV	113.4090, -27.3166, -11.7597
Hunter-Lab	43.8960, -19.2681, 21.2937




Details

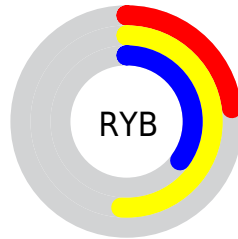
The CIELCh color **51, 42.693, 123.848** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31, 47.006, 309.541**, and the grayscale version is **48, 0.006, 296.813**.




A 20% lighter version of the original color is **71, 42.760, 123.510**, and **31, 42.548, 123.815** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.354, 123.596**, and if you desaturate by 10%, it is **52, 35.492, 124.237**.

Distribution







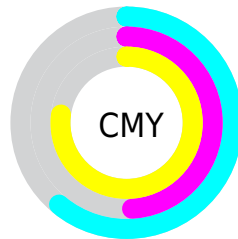
-  Red (39%)
-  Green (51%)
-  Blue (23%)






-  Red (23%)
-  Yellow (51%)
-  Blue (35%)



-  Cyan (24%)
-  Magenta (0%)
-  Yellow (56%)
-  Black (49%)



-  Cyan (61%)
-  Magenta (49%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 42.693, 123.848 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 51, 42.693, 123.848 by changing the saturation by 10% instead.

 51, 42.693,
123.848

 51, 42.693,
123.848

 100, 42.693,
123.848

 41, 42.693,
123.848


 71, 42.693,
123.848

 31, 42.693,
123.848

 81, 42.693,
123.848

 21, 42.693,
123.848

 91, 42.693,
123.848

 11, 42.693,
123.848

 1, 42.693, 123.848

 0, 42.693, 123.848

■ 51, 42.693,
123.848

■ 51, 42.693,
123.848

■ 51, 49.354,
123.596

■ 52, 35.492,
124.237

■ 50, 55.200,
123.566

■ 52, 27.949,
124.696

■ 50, 59.913,
123.871

■ 53, 20.207,
125.183

■ 49, 63.318,
124.570

■ 54, 12.362,
125.671

■ 49, 64.681,
124.861

■ 54, 4.482, 126.152

■ 55, 3.385, 306.563

■ 56, 11.204,
306.993

■ 57, 18.952,
307.380

■ 58, 26.608,
307.732

Harmonies

Complementary

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



51, 42.693, 123.848



31, 47.006, 309.541

Rectangle

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



51, 42.693, 123.848



51, 42.693, 173.848



51, 42.693, 303.848



51, 42.693, 353.848

Sweetspot

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



51, 42.694, 123.849



68, 16.621, 125.589



42, 28.301, 60.391



36, 11.203, 125.508



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 42.694, 123.849



65, 62.046, 123.560



49, 49.158, 138.310



28, 4.480, 125.987



49, 64.311, 124.848



1, 1.075, 126.395

Inverse Universe

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



31, 47.006, 309.541



36, 70.139, 310.252



36, 49.266, 324.647



26, 4.547, 306.814



18, 76.672, 310.645



0, 1.075, 306.393

Previews

White Background



This preview shows how the CIELCh color 51, 42.693, 123.848 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 42.693, 123.848 looks on a black 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 × Fail

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

CIELCh 51, 42.693, 123.848

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.693, 123.848.



This preview shows how white text looks on a background with the CIELCh color 51, 42.693, 123.848.

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

51, 42.693, 123.848

Protanopia

51, 37.572, 95.898

Deuteranopia

51, 34.787, 78.517



Tritanopia
51, 7.511, 250.223

Trichromacy



Original Color
51, 42.693, 123.848

Protanomaly
51, 38.410, 107.266

Deuteranomaly
50, 34.272, 97.862

Tritanomaly
51, 14.260, 143.513

Monochromacy



Original Color
51, 42.693, 123.848

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 16.541, 126.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.693, 123.848 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, 131, 58)` looks like.

```
.text, #text, p{  
    color:rgb(100, 131, 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(100, 131, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 131, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.693, 123.848 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, 131, 58) }
```

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

```
.border{ border-color:rgb(100, 131, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 131, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 131, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 131, 58);  
box-shadow:4px 4px 4px 4px rgb(100, 131,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.693, 123.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 131, 58) }
```

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

```
.background{ background-color: rgb(100,  
131, 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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