

Converting Colors

CIELCh(50, 39.723, 102.407)

Have a look what the booklet for
CIELCh(50, 39.723, 102.407)
contains.

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Color

CIELCh(50, 39.962, 102.888)

Conversions

Conversions Part 1

Format	Color
Hex	7D7A32
RGB	125, 122, 50
RGB Percent	49%, 48%, 20%
CMY	0.5109, 0.5226, 0.8049
CMYK	0.00, 0.02, 0.60, 0.51
HSL	58°, 43%, 34%
HSV	58°, 60%, 49%
XYZ	15.9119, 18.4187, 5.7047
YIQ	114.6890, 24.9000, -21.7560

Conversions

Conversions Part 2

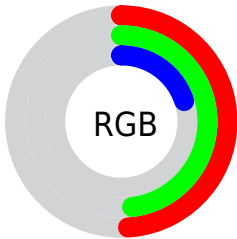
Format	Color
RYB	53, 125, 50
Decimal	8223282
CIELab	50.00, -8.91, 38.96
CIElCh	50, 39.962, 102.888
Yxy	18.4187, 0.3974, 0.4601
Android (android.graphics.Color)	4286413362 (0xFF7D7A32)
YUV	114.6890, -31.8917, 9.0427
Hunter-Lab	42.9170, -8.9241, 22.1608

Details

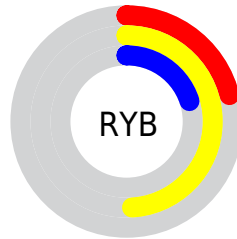
The CIELCh color **50, 39.962, 102.888** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **26, 46.824, 297.708**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 40.008, 103.029**, and **30, 39.653, 103.611** is the 20% darker color. If you saturate the color by 10%, you get **50, 45.399, 102.090**, and if you desaturate by 10%, it is **50, 33.900, 103.768**.

Distribution



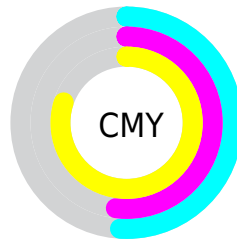
- Red (49%)
- Green (48%)
- Blue (20%)



- Red (21%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (60%)
- Black (51%)



- Cyan (51%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 39.962, 102.888 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 50, 39.962, 102.888 by changing the saturation by 10% instead.


 50, 39.962,
102.888


 50, 39.962,
102.888


 100, 39.962,
102.888


 40, 39.962,
102.888


 70, 39.962,
102.888

 30, 39.962,
102.888


 80, 39.962,
102.888


 20, 39.962,
102.888

 90, 39.962,
102.888

 10, 39.962,
102.888

 0, 39.962, 102.888

 50, 39.962,
102.888

 50, 39.962,
102.888

■ 50, 45.399,
102.090

■ 50, 33.900,
103.768

■ 50, 49.905,
101.395

■ 51, 27.441,
104.696

■ 49, 53.148,
100.832

■ 51, 20.743,
105.653

■ 49, 55.464,
100.368

■ 51, 13.909,
106.619

■ 52, 7.005, 107.578

■ 52, 0.073, 107.763

■ 53, 6.859, 289.469

■ 53, 13.774,
290.360

■ 54, 20.660,
291.219

Harmonies

Complementary

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



50, 39.962, 102.888



26, 46.824, 297.708

Rectangle

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



50, 39.962, 102.888



50, 39.962, 152.888



50, 39.962, 282.888



50, 39.962, 332.888

Sweetspot

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



50, 39.963, 102.891



66, 15.516, 106.780



31, 35.865, 23.356



34, 10.720, 106.544



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 39.963, 102.891



64, 57.372, 101.823



48, 44.207, 124.680



26, 3.841, 107.679



49, 55.539, 100.367



94, 93.353, 100.228

Inverse Universe

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



26, 46.824, 297.708



28, 71.245, 300.769



28, 48.791, 310.516



23, 3.915, 289.466



13, 76.745, 305.526



32, 131.243, 305.964

Previews

White Background



This preview shows how the CIELCh color 50, 39.962, 102.888 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 50, 39.962, 102.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

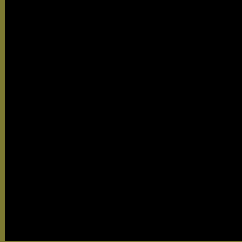
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 39.962, 102.888

Background



This preview shows how black text looks on a background with the CIELCh color 50, 39.962, 102.888.



This preview shows how white text looks on a background with the CIELCh color 50, 39.962, 102.888.

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

50, 39.962, 102.888

Protanopia

50, 39.591, 95.970

Deuteranopia

50, 38.767, 80.503



Tritanopia
50, 8.991, 344.736

Trichromacy



Original Color
50, 39.962, 102.888

Protanomaly
50, 39.760, 98.759

Deuteranomaly
50, 38.458, 88.590

Tritanomaly
50, 13.327, 85.446

Monochromacy



Original Color
50, 39.962, 102.888

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 15.148, 106.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 39.962, 102.888 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(125, 122, 50)` looks like.

```
.text, #text, p{  
    color:rgb(125, 122, 50)  
}
```

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(125, 122, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 39.962, 102.888 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(125, 122, 50) }
```

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

```
.border{ border-color:rgb(125, 122, 50) }
```

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

Here you see how a box with a 4 pixel rgb(125, 122, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 122, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 122, 50);  
box-shadow:4px 4px 4px 4px rgb(125, 122,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 39.962, 102.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 122, 50) }
```

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

```
.background{ background-color: rgb(125,  
122, 50) }
```

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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