

Converting Colors

CIELCh(50, 21.632, 102.647)

Have a look what the booklet for
CIELCh(50, 21.632, 102.647)
contains.

CIELCh(50, 21.427, 102.563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 21.427, 102.563)

Conversions

Conversions Part 1

Format	Color
Hex	7C7853
RGB	124, 120, 83
RGB Percent	49%, 47%, 33%
CMY	0.5128, 0.5285, 0.6736
CMYK	0.00, 0.03, 0.33, 0.51
HSL	54°, 20%, 41%
HSV	54°, 33%, 49%
XYZ	16.6600, 18.4187, 10.9050
YIQ	116.9780, 14.2610, -10.6590

Conversions

Conversions Part 2

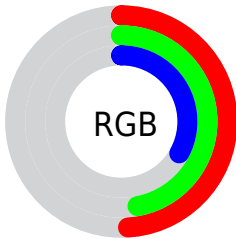
Format	Color
RYB	87, 124, 83
Decimal	8157267
CIELab	50.00, -4.66, 20.91
CIElCh	50, 21.427, 102.563
Yxy	18.4187, 0.3623, 0.4005
Android (android.graphics.Color)	4286347347 (0xFF7C7853)
YUV	116.9780, -16.7512, 6.1583
Hunter-Lab	42.9170, -5.8126, 14.9766

Details

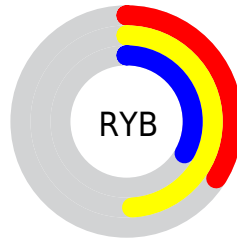
The CIELCh color **50, 21.427, 102.563** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **38, 22.775, 290.134**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 21.258, 102.501**, and **30, 21.798, 103.385** is the 20% darker color. If you saturate the color by 10%, you get **49, 27.760, 101.538**, and if you desaturate by 10%, it is **51, 14.977, 103.597**.

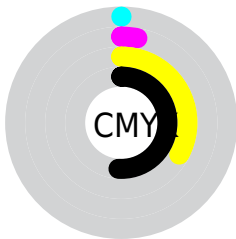
Distribution



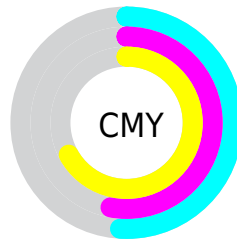
- Red (49%)
- Green (47%)
- Blue (33%)



- Red (34%)
- Yellow (49%)
- Blue (33%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (51%)





- Cyan (51%)
- Magenta (53%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.427, 102.563 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, 21.427, 102.563 by changing the saturation by 10% instead.


 50, 21.427,
102.563


 50, 21.427,
102.563


 100, 21.427,
102.563


 40, 21.427,
102.563


 70, 21.427,
102.563

 30, 21.427,
102.563


 80, 21.427,
102.563


 20, 21.427,
102.563

 90, 21.427,
102.563

 10, 21.427,
102.563

 0, 21.427, 102.563

 50, 21.427,
102.563

 50, 21.427,
102.563

■ 49, 27.760,
101.538

■ 51, 14.977,
103.597

■ 49, 33.868,
100.524

■ 51, 8.473, 104.615

■ 52, 1.956, 105.588

■ 48, 39.586, 99.542

■ 53, 4.549, 286.616

■ 48, 44.667, 98.610

■ 53, 11.026,

■ 48, 48.781, 97.743

287.549

■ 47, 51.582, 96.947

■ 54, 17.465,
288.451

■ 47, 53.224, 96.418

■ 55, 23.861,
289.314

■ 56, 30.209,
290.137

■ 57, 36.507,
290.918

Harmonies

Complementary

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



50, 21.427, 102.563



38, 22.775, 290.134

Rectangle

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



50, 21.427, 102.563



50, 21.427, 152.563



50, 21.427, 282.563



50, 21.427, 332.563

Sweetspot

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



50, 21.428, 102.567



65, 8.032, 104.893



40, 18.313, 14.469



34, 5.523, 104.777



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, 21.428, 102.567



63, 31.904, 101.750



50, 24.638, 123.898



25, 3.621, 105.011



47, 53.443, 96.414



90, 89.667, 96.035

Inverse Universe

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



38, 22.775, 290.134



45, 34.560, 291.497



38, 26.023, 307.305



24, 3.681, 286.886



14, 73.798, 304.419



33, 128.079, 305.285

Previews

White Background



This preview shows how the CIELCh color 50, 21.427, 102.563 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 × Fail

Black Background



This preview shows how the CIELCh color 50, 21.427, 102.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

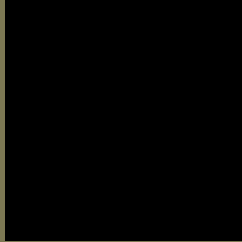
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

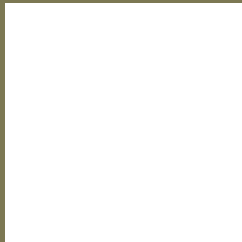
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.427, 102.563

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.427, 102.563.



This preview shows how white text looks on a background with the CIELCh color 50, 21.427, 102.563.

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, 21.427, 102.563

Protanopia

50, 21.217, 96.439

Deuteranopia

50, 21.059, 72.428



Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 21.427, 102.563

Protanomaly
50, 21.131, 97.638

Deuteranomaly
50, 20.581, 83.057

Tritanomaly
50, 6.269, 67.592

Monochromacy



Original Color
50, 21.427, 102.563

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.624, 102.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.427, 102.563 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(124, 120, 83)` looks like.

```
.text, #text, p{  
    color:rgb(124, 120, 83)  
}
```

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(124, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 120, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.427, 102.563 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(124, 120, 83) }
```

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

```
.border{ border-color:rgb(124, 120, 83) }
```

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

Here you see how a box with a 4 pixel rgb(124, 120, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 120, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 120, 83);  
box-shadow:4px 4px 4px 4px rgb(124, 120,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.427, 102.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 120, 83) }
```

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

```
.background{ background-color: rgb(124,  
120, 83) }
```

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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