

Converting Colors

CIELCh(50, 47.008, 102.487)

Have a look what the booklet for
CIELCh(50, 47.008, 102.487)
contains.

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Color

CIELCh(50, 47.046, 102.253)

Conversions

Conversions Part 1

Format	Color
Hex	7D7A22
RGB	125, 122, 34
RGB Percent	49%, 48%, 13%
CMY	0.5095, 0.5213, 0.8664
CMYK	0.00, 0.02, 0.73, 0.51
HSL	58°, 57%, 31%
HSV	58°, 73%, 49%
XYZ	15.7270, 18.4187, 4.2454
YIQ	112.8650, 30.0360, -26.7320

Conversions

Conversions Part 2

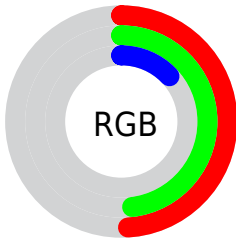
Format	Color
RYB	37, 125, 34
Decimal	8223266
CIELab	50.00, -9.98, 45.97
CIELCh	50, 47.046, 102.253
Yxy	18.4187, 0.4097, 0.4798
Android (android.graphics.Color)	4286413346 (0xFF7D7A22)
YUV	112.8650, -38.8804, 10.6424
Hunter-Lab	42.9170, -9.6928, 24.1768

Details

The CIELCh color **50, 47.046, 102.253** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **21, 58.278, 300.767**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.918, 102.205**, and **30, 39.653, 103.611** is the 20% darker color. If you saturate the color by 10%, you get **50, 51.266, 101.617**, and if you desaturate by 10%, it is **50, 41.797, 103.013**.

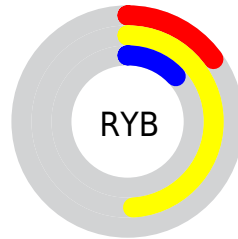
Distribution



Red (49%)

Green (48%)

Blue (13%)



Red (15%)

Yellow (49%)

Blue (13%)

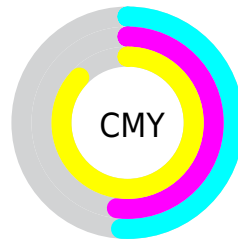


Cyan (0%)

Magenta (2%)

Yellow (73%)

Black (51%)



Cyan (51%)


Magenta (52%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 47.046, 102.253 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, 47.046, 102.253 by changing the saturation by 10% instead.


 50, 47.046,
102.253


 50, 47.046,
102.253

 100, 47.046,
102.253


 40, 47.046,
102.253


 70, 47.046,
102.253

 30, 47.046,
102.253


 80, 47.046,
102.253


 20, 47.046,
102.253

 90, 47.046,
102.253

 10, 47.046,
102.253

 0, 47.046, 102.253

 50, 47.046,
102.253

 50, 47.046,
102.253

■ 50, 51.266,
101.617

■ 50, 41.797,
103.013

■ 50, 54.145,
101.121

■ 50, 35.839,
103.859

■ 50, 55.844,
100.806

■ 51, 29.422,
104.765

■ 51, 22.725,
105.707

■ 51, 15.863,
106.665

■ 52, 8.912, 107.622

■ 52, 1.921, 108.548

■ 53, 5.080, 289.515

■ 53, 12.068,
290.409

Harmonies

Complementary

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



50, 47.046, 102.253



21, 58.278, 300.767

Rectangle

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



50, 47.046, 102.253



50, 47.046, 152.253



50, 47.046, 282.253



50, 47.046, 332.253

Sweetspot

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



50, 47.046, 102.255



66, 19.068, 106.686



29, 44.479, 28.188



34, 12.737, 106.480



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, 47.046, 102.255



64, 64.649, 101.285



48, 52.225, 125.116



27, 4.002, 107.967



50, 56.619, 100.801



0, 0.000, 0.000

Inverse Universe

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



21, 58.278, 300.767



22, 86.178, 304.119



24, 58.697, 311.530



24, 4.080, 289.757



13, 78.274, 305.670



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 47.046, 102.253 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, 47.046, 102.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

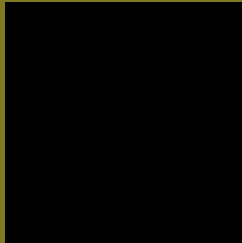
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 47.046, 102.253

Background



This preview shows how black text looks on a background with the CIELCh color 50, 47.046, 102.253.



This preview shows how white text looks on a background with the CIELCh color 50, 47.046, 102.253.

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, 47.046, 102.253

Protanopia

50, 46.739, 95.705

Deuteranopia

50, 45.509, 81.829



Tritanopia
50, 9.324, 346.267

Trichromacy



Original Color
50, 47.046, 102.253

Protanomaly
50, 46.874, 98.102

Deuteranomaly
50, 44.991, 89.333

Tritanomaly
50, 16.217, 87.415

Monochromacy



Original Color
50, 47.046, 102.253

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 18.622, 106.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 47.046, 102.253 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(125, 122, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 47.046, 102.253 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, 34) }
```

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

```
.border{ border-color:rgb(125, 122, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 122, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 122, 34);  
box-shadow:4px 4px 4px 4px rgb(125, 122,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 47.046, 102.253 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, 34) }
```

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

```
.background{ background-color: rgb(125,  
122, 34) }
```

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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