

Converting Colors

CIELCh(50, 45.511, 103.250)

Have a look what the booklet for
CIELCh(50, 45.511, 103.250)
contains.

CIELCh(50, 45.394, 103.005)	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, 45.394, 103.005)

Conversions

Conversions Part 1

Format	Color
Hex	7C7A26
RGB	124, 122, 38
RGB Percent	49%, 48%, 15%
CMY	0.5128, 0.5207, 0.8501
CMYK	0.00, 0.02, 0.69, 0.51
HSL	59°, 53%, 32%
HSV	59°, 69%, 49%
XYZ	15.6874, 18.4187, 4.5816
YIQ	113.0220, 28.1560, -25.7000

Conversions

Conversions Part 2

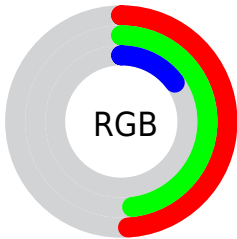
Format	Color
R_{YB}	40, 124, 38
Decimal	8157734
CIE Lab	50.00, -10.22, 44.23
CIE LCh	50, 45.394, 103.005
Yxy	18.4187, 0.4055, 0.4761
Android (android.graphics.Color)	4286347814 (0xFF7C7A26)
YUV	113.0220, -36.9858, 9.6277
Hunter-Lab	42.9170, -9.8577, 23.7124

Details

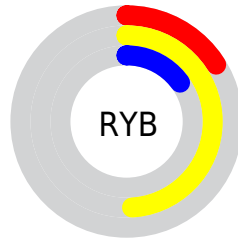
The CIELCh color $50, 45.394, 103.005$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $22, 55.500, 300.283$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 45.447, 102.809$, and $30, 39.667, 104.367$ is the 20% darker color. If you saturate the color by 10%, you get $50, 50.011, 102.353$, and if you desaturate by 10%, it is $50, 39.864, 103.776$.

Distribution



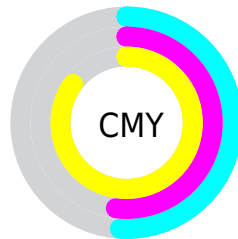
- Red (49%)
- Green (48%)
- Blue (15%)



- Red (16%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (2%)
- Yellow (69%)
- Black (51%)





- Cyan (51%)
- Magenta (52%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.394, 103.005 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, 45.394, 103.005 by changing the saturation by 10% instead.


 50, 45.394,
103.005


 50, 45.394,
103.005


 100, 45.394,
103.005


 40, 45.394,
103.005


 70, 45.394,
103.005

 30, 45.394,
103.005


 80, 45.394,
103.005


 20, 45.394,
103.005

 90, 45.394,
103.005

 10, 45.394,
103.005

 0, 45.394, 103.005

 50, 45.394,
103.005

 50, 45.394,
103.005

■ 50, 50.011,
102.353

■ 50, 39.864,
103.776

■ 50, 53.390,
101.843

■ 50, 33.716,
104.628

■ 50, 55.765,
101.447

■ 51, 27.174,
105.534

■ 50, 55.953,
101.417

■ 51, 20.392,
106.472

■ 51, 13.471,
107.421

■ 52, 6.476, 108.365

■ 52, 0.551, 289.401

■ 53, 7.581, 290.226

■ 53, 14.596,
291.105

Harmonies

Complementary

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



50, 45.394, 103.005



22, 55.500, 300.283

Rectangle

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



50, 45.394, 103.005



50, 45.394, 153.005



50, 45.394, 283.005



50, 45.394, 333.005

Sweetspot

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



50, 45.394, 103.007



65, 18.143, 107.205



29, 41.959, 27.062



34, 12.366, 106.992



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, 45.394, 103.007



63, 62.833, 102.042



48, 49.933, 125.129



26, 3.905, 108.381



50, 56.183, 101.416



95, 94.492, 101.337

Inverse Universe

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



22, 55.500, 300.283



23, 82.363, 303.589



25, 55.779, 311.405



23, 3.982, 290.144



13, 77.614, 305.839



32, 131.881, 306.097

Previews

White Background



This preview shows how the CIELCh color 50, 45.394, 103.005 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 CIE LCh color 50, 45.394, 103.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

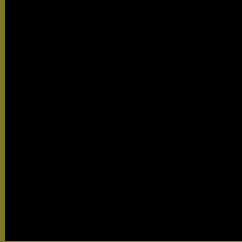
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.394, 103.005

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.394, 103.005.



This preview shows how white text looks on a background with the CIELCh color 50, 45.394, 103.005.

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, 45.394, 103.005

Protanopia

50, 45.111, 95.643

Deuteranopia

50, 43.798, 81.226



Tritanopia
50, 8.991, 344.736

Trichromacy



Original Color
50, 45.394, 103.005

Protanomaly
50, 45.249, 98.119

Deuteranomaly
50, 43.266, 89.011

Tritanomaly
50, 15.508, 88.316

Monochromacy



Original Color
50, 45.394, 103.005

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 17.475, 106.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.394, 103.005 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, 122, 38)` looks like.

```
.text, #text, p{  
    color:rgb(124, 122, 38)  
}
```

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, 122, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 122, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.394, 103.005 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, 122, 38) }
```

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

```
.border{ border-color:rgb(124, 122, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 122, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 122, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 122, 38);  
box-shadow:4px 4px 4px 4px rgb(124, 122,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.394, 103.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 122, 38) }
```

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

```
.background{ background-color: rgb(124,  
122, 38) }
```

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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