

Converting Colors

CIELCh(52, 48.172, 111.464)

Have a look what the booklet for
CIELCh(52, 48.172, 111.464)
contains.

CIELCh(52, 48.356, 111.319)	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(52, 48.356, 111.319)

Conversions

Conversions Part 1

Format	Color
Hex	768329
RGB	118, 131, 41
RGB Percent	46%, 51%, 16%
CMY	0.5384, 0.4874, 0.8403
CMYK	0.10, 0.00, 0.69, 0.49
HSL	69°, 53%, 34%
HSV	69°, 69%, 51%
XYZ	15.9039, 20.1443, 5.1213
YIQ	116.8530, 21.1420, -30.7460

Conversions

Conversions Part 2

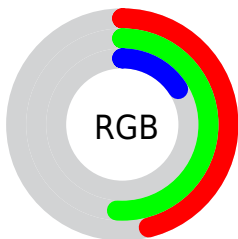
Format	Color
R_{YB}	41, 131, 54
Decimal	7766825
CIE _{Lab}	52.00, -17.58, 45.05
CIE _{LCh}	52, 48.356, 111.319
Yxy	20.1443, 0.3863, 0.4893
Android (android.graphics.Color)	4285956905 (0xFF768329)
YUV	116.8530, -37.3955, 1.0059
Hunter-Lab	44.8824, -15.2937, 24.6524

Details

The CIELCh color **52, 48.356, 111.319** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **24, 58.568, 303.639**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 48.274, 111.559**, and **32, 43.415, 113.556** is the 20% darker color. If you saturate the color by 10%, you get **52, 53.314, 111.063**, and if you desaturate by 10%, it is **52, 42.441, 111.777**.

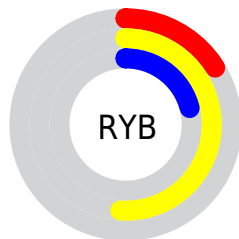
Distribution



Red (46%)

Green (51%)

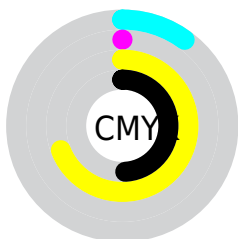
Blue (16%)



Red (16%)

Yellow (51%)

Blue (21%)

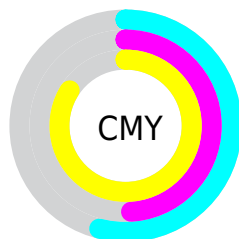


Cyan (10%)

Magenta (0%)

Yellow (69%)

Black (49%)



Cyan (54%)


Magenta (49%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 48.356, 111.319 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 52, 48.356, 111.319 by changing the saturation by 10% instead.


 52, 48.356,
111.319


 52, 48.356,
111.319


 100, 48.356,
111.319


 42, 48.356,
111.319


 72, 48.356,
111.319

 32, 48.356,
111.319

 82, 48.356,
111.319

 22, 48.356,
111.319

 92, 48.356,
111.319

 12, 48.356,
111.319

 2, 48.356, 111.319

 0, 48.356, 111.319

■ 52, 48.356,
111.319

■ 52, 48.356,
111.319

■ 52, 53.314,
111.063

■ 52, 42.441,
111.777

■ 52, 56.988,
111.074

■ 53, 35.869,
112.367

■ 51, 59.530,
111.319

■ 53, 28.870,
113.037

■ 51, 59.821,
111.344

■ 53, 21.607,
113.751

■ 54, 14.184,
114.483

■ 54, 6.675, 115.212

■ 55, 0.872, 295.936

■ 55, 8.425, 296.621

■ 56, 15.958,
297.283

Harmonies

Complementary

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



52, 48.356, 111.319



24, 58.568, 303.639

Rectangle

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



52, 48.356, 111.319



52, 48.356, 161.319



52, 48.356, 291.319



52, 48.356, 341.319

Sweetspot

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



52, 48.356, 111.321



69, 19.643, 114.290



33, 40.792, 36.543



36, 13.386, 114.118



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 48.356, 111.321



66, 67.769, 111.033



49, 54.338, 130.605



28, 4.301, 115.192



51, 59.600, 111.340



1, 1.035, 115.846

Inverse Universe

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



24, 58.568, 303.639



25, 87.183, 305.702



29, 57.765, 316.200



25, 4.389, 296.541



14, 80.264, 307.018



0, 1.035, 295.846

Previews

White Background



This preview shows how the CIELCh color 52, 48.356, 111.319 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 52, 48.356, 111.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

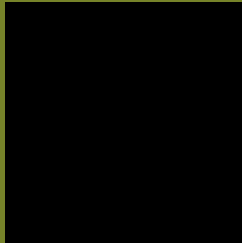
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 48.356, 111.319

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.356, 111.319.



This preview shows how white text looks on a background with the CIELCh color 52, 48.356, 111.319.

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
52, 48.356, 111.319

Protanopia
52, 46.468, 95.365

Deuteranopia
52, 44.734, 81.329



Tritanopia
52, 6.162, 309.377

Trichromacy



Original Color
52, 48.356, 111.319

Protanomaly
52, 46.323, 101.304

Deuteranomaly
52, 44.616, 93.382

Tritanomaly
52, 14.983, 109.886

Monochromacy



Original Color
52, 48.356, 111.319

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 19.174, 114.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.356, 111.319 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(118, 131, 41)` looks like.

```
.text, #text, p{  
    color:rgb(118, 131, 41)  
}
```

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(118, 131, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 131, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.356, 111.319 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(118, 131, 41) }
```

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

```
.border{ border-color:rgb(118, 131, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 131, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 131, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 131, 41);  
box-shadow:4px 4px 4px 4px rgb(118, 131,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.356, 111.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 131, 41) }
```

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

```
.background{ background-color: rgb(118,  
131, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor