

Converting Colors

CIELCh(52, 52.378, 113.842)

Have a look what the booklet for
CIELCh(52, 52.378, 113.842)
contains.

CIELCh(52, 52.377, 113.919)	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, 52.377, 113.919)

Conversions

Conversions Part 1

Format	Color
Hex	708421
RGB	112, 132, 33
RGB Percent	44%, 52%, 13%
CMY	0.5598, 0.4813, 0.8695
CMYK	0.15, 0.00, 0.75, 0.48
HSL	72°, 60%, 32%
HSV	72°, 75%, 52%
XYZ	15.2792, 20.1443, 4.5420
YIQ	114.7340, 19.8590, -35.0290

Conversions

Conversions Part 2

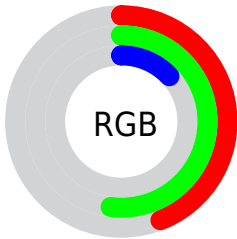
Format	Color
RYB	33, 132, 53
Decimal	7373857
CIELab	52.00, -21.24, 47.88
CIELCh	52, 52.377, 113.919
Yxy	20.1443, 0.3823, 0.5040
Android (android.graphics.Color)	4285563937 (0xFF708421)
YUV	114.7340, -40.2949, -2.3977
Hunter-Lab	44.8824, -17.7781, 25.4177

Details

The CIELCh color **52, 52.377, 113.919** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **22, 64.123, 305.539**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 52.388, 114.026**, and **32, 44.615, 117.634** is the 20% darker color. If you saturate the color by 10%, you get **52, 56.727, 113.944**, and if you desaturate by 10%, it is **52, 46.870, 114.168**.

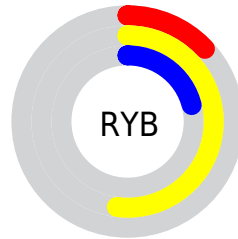
Distribution



Red (44%)

Green (52%)

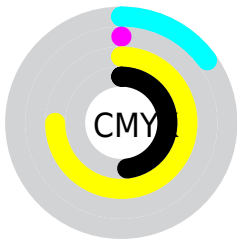
Blue (13%)



Red (13%)

Yellow (52%)

Blue (21%)

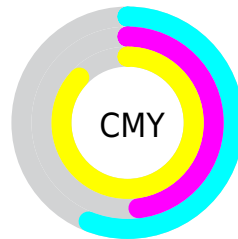


Cyan (15%)

Magenta (0%)

Yellow (75%)

Black (48%)



Cyan (56%)


Magenta (48%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 52.377, 113.919 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, 52.377, 113.919 by changing the saturation by 10% instead.


 52, 52.377,
113.919


 52, 52.377,
113.919


 100, 52.377,
113.919


 42, 52.377,
113.919


 72, 52.377,
113.919

 32, 52.377,
113.919

 82, 52.377,
113.919

 22, 52.377,
113.919

 92, 52.377,
113.919

 12, 52.377,
113.919

 2, 52.377, 113.919

 0, 52.377, 113.919

■ 52, 52.377,
113.919

■ 52, 52.377,
113.919

■ 52, 56.727,
113.944

■ 52, 46.870,
114.168

■ 52, 59.686,
114.302

■ 53, 40.532,
114.604

■ 51, 61.035,
114.514

■ 53, 33.640,
115.159

■ 53, 26.394,
115.783

■ 54, 18.933,
116.439

■ 54, 11.348,
117.105

■ 55, 3.701, 117.763

■ 56, 3.964, 298.395

■ 56, 11.617,
299.007

Harmonies

Complementary

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



52, 52.377, 113.919



22, 64.123, 305.539

Rectangle

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



52, 52.377, 113.919



52, 52.377, 163.919



52, 52.377, 293.919



52, 52.377, 343.919

Sweetspot

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



52, 52.377, 113.921



68, 20.692, 116.596



33, 43.819, 41.587



36, 13.999, 116.445



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, 52.377, 113.921



65, 71.112, 114.172



49, 59.686, 132.306



28, 4.325, 117.482



51, 60.293, 114.496



1, 1.040, 118.070

Inverse Universe

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



22, 64.123, 305.539



24, 92.001, 306.961



28, 62.355, 318.259



26, 4.410, 298.692



15, 79.715, 307.483



0, 1.040, 298.070

Previews

White Background



This preview shows how the CIELCh color 52, 52.377, 113.919 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, 52.377, 113.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

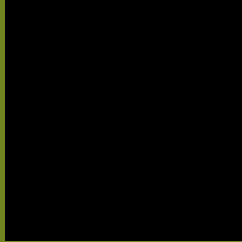
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 52.377, 113.919

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.377, 113.919.



This preview shows how white text looks on a background with the CIELCh color 52, 52.377, 113.919.

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, 52.377, 113.919

Protanopia
52, 49.601, 95.486

Deuteranopia
52, 46.868, 82.056



Tritanopia
52, 5.821, 287.119

Trichromacy



Original Color
52, 52.377, 113.919

Protanomaly
52, 49.841, 102.727

Deuteranomaly
52, 46.552, 94.732

Tritanomaly
51, 17.046, 119.565

Monochromacy



Original Color
52, 52.377, 113.919

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 21.012, 115.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.377, 113.919 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(112, 132, 33)` looks like.

```
.text, #text, p{  
    color:rgb(112, 132, 33)  
}
```

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(112, 132, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 132, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.377, 113.919 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(112, 132, 33) }
```

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

```
.border{ border-color:rgb(112, 132, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 132, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 132, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 132, 33);  
box-shadow:4px 4px 4px 4px rgb(112, 132,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.377, 113.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 132, 33) }
```

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

```
.background{ background-color: rgb(112,  
132, 33) }
```

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