

Converting Colors

CIELCh(52, 54.902, 107.839)

Have a look what the booklet for
CIELCh(52, 54.902, 107.839)
contains.

CIELCh(52, 54.713, 107.791)	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, 54.713, 107.791)

Conversions

Conversions Part 1

Format	Color
Hex	798215
RGB	121, 130, 21
RGB Percent	47%, 51%, 8%
CMY	0.5248, 0.4895, 0.9167
CMYK	0.07, 0.00, 0.84, 0.49
HSL	65°, 72%, 30%
HSV	65°, 84%, 51%
XYZ	16.0538, 20.1443, 3.7628
YIQ	114.8830, 29.6250, -35.8070

Conversions

Conversions Part 2

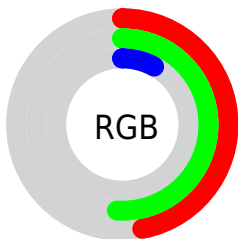
Format	Color
R_{YB}	21, 130, 30
Decimal	7963157
CIE _{Lab}	52.00, -16.72, 52.10
CIE _{LCh}	52, 54.713, 107.791
Y _{xy}	20.1443, 0.4017, 0.5041
Android (android.graphics.Color)	4286153237 (0xFF798215)
YUV	114.8830, -46.2843, 5.3646
Hunter-Lab	44.8824, -14.6975, 26.4470

Details

The CIELCh color **52, 54.713, 107.791** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **18, 70.947, 304.797**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 54.993, 107.956**, and **32, 42.687, 111.076** is the 20% darker color. If you saturate the color by 10%, you get **52, 57.603, 107.752**, and if you desaturate by 10%, it is **52, 50.420, 108.082**.

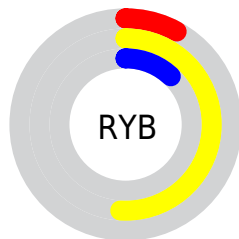
Distribution



Red (47%)

Green (51%)

Blue (8%)



Red (8%)

Yellow (51%)

Blue (12%)

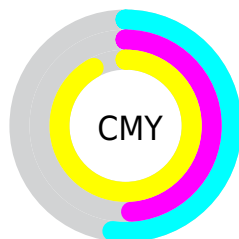


Cyan (7%)

Magenta (0%)

Yellow (84%)

Black (49%)



Cyan (52%)


Magenta (49%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 54.713, 107.791 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, 54.713, 107.791 by changing the saturation by 10% instead.


 52, 54.713,
107.791


 52, 54.713,
107.791


 100, 54.713,
107.791


 42, 54.713,
107.791


 72, 54.713,
107.791


 32, 54.713,
107.791


 82, 54.713,
107.791

 22, 54.713,
107.791

 92, 54.713,
107.791

 12, 54.713,
107.791

 2, 54.713, 107.791

 0, 54.713, 107.791

■ 52, 54.713,
107.791

■ 52, 54.713,
107.791

■ 52, 57.603,
107.752

■ 52, 50.420,
108.082

■ 52, 59.123,
107.773

■ 52, 45.001,
108.569

■ 53, 38.782,
109.199

■ 53, 32.032,
109.922

■ 53, 24.943,
110.702

■ 53, 17.648,
111.509

■ 54, 10.234,
112.322

■ 54, 2.757, 113.123

Harmonies

Complementary

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



52, 54.713, 107.791



18, 70.947, 304.797

Rectangle

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



52, 54.713, 107.791



52, 54.713, 157.791



52, 54.713, 287.791



52, 54.713, 337.791

Sweetspot

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



52, 54.713, 107.793



68, 22.956, 111.356



29, 52.573, 36.313



35, 15.563, 111.120



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 54.713, 107.793



66, 71.342, 107.882



49, 61.288, 128.688



28, 4.284, 112.690



52, 59.081, 107.772



1, 1.031, 113.423

Inverse Universe

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



18, 70.947, 304.797



20, 97.580, 306.569



24, 67.292, 314.327



25, 4.373, 294.204



14, 80.712, 306.659



0, 1.031, 293.424

Previews

White Background



This preview shows how the CIELCh color 52, 54.713, 107.791 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, 54.713, 107.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

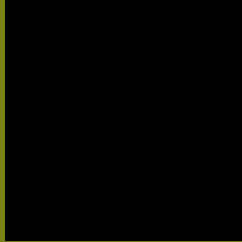
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 54.713, 107.791

Background



This preview shows how black text looks on a background with the CIELCh color 52, 54.713, 107.791.



This preview shows how white text looks on a background with the CIELCh color 52, 54.713, 107.791.

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

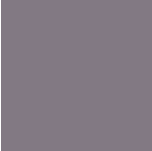
52, 54.713, 107.791

Protanopia

52, 53.213, 95.046

Deuteranopia

52, 51.277, 82.760



Tritanopia
52, 6.845, 322.045

Trichromacy



Original Color
52, 54.713, 107.791

Protanomaly
52, 53.435, 99.760

Deuteranomaly
52, 51.132, 92.195

Tritanomaly
51, 19.022, 103.757

Monochromacy



Original Color
52, 54.713, 107.791

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 23.092, 111.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 54.713, 107.791 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(121, 130, 21)` looks like.

```
.text, #text, p{  
    color:rgb(121, 130, 21)  
}
```

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(121, 130, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 130, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 54.713, 107.791 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(121, 130, 21) }
```

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

```
.border{ border-color:rgb(121, 130, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 130, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 130, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 130, 21);  
box-shadow:4px 4px 4px 4px rgb(121, 130,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 54.713, 107.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 130, 21) }
```

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

```
.background{ background-color: rgb(121,  
130, 21) }
```

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