

Converting Colors

CIELCh(53, 51.069, 104.331)

Have a look what the booklet for
CIELCh(53, 51.069, 104.331)
contains.

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Color

CIELCh(53, 51.069, 104.331)

Conversions

Conversions Part 1

Format	Color
Hex	828321
RGB	130, 131, 33
RGB Percent	51%, 51%, 13%
CMY	0.4907, 0.4867, 0.8711
CMYK	0.01, 0.00, 0.75, 0.49
HSL	61°, 60%, 32%
HSV	61°, 75%, 51%
XYZ	17.5600, 21.0462, 4.5662
YIQ	119.5290, 30.8620, -30.6900

Conversions

Conversions Part 2

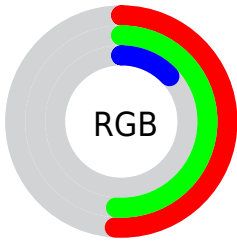
Format	Color
RYB	33, 131, 34
Decimal	8553249
CIELab	53.00, -12.64, 49.48
CIELCh	53, 51.069, 104.331
Yxy	21.0462, 0.4067, 0.4875
Android (android.graphics.Color)	4286743329 (0xFF828321)
YUV	119.5290, -42.6588, 9.1831
Hunter-Lab	45.8761, -11.9587, 26.2119

Details

The CIELCh color **53, 51.069, 104.331** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **20, 64.428, 302.427**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 51.286, 104.197**, and **33, 42.608, 106.305** is the 20% darker color. If you saturate the color by 10%, you get **53, 55.176, 103.873**, and if you desaturate by 10%, it is **53, 45.780, 104.953**.

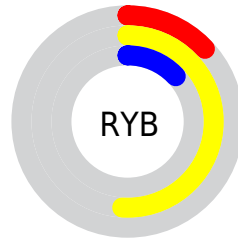
Distribution



Red (51%)

Green (51%)

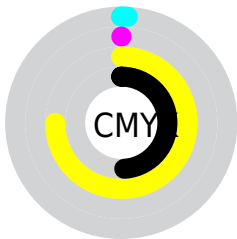
Blue (13%)



Red (13%)

Yellow (51%)

Blue (13%)

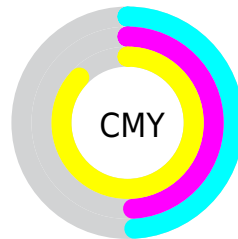


Cyan (1%)

Magenta (0%)

Yellow (75%)

Black (49%)



Cyan (49%)


Magenta (49%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 51.069, 104.331 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 53, 51.069, 104.331 by changing the saturation by 10% instead.


 53, 51.069,
104.331


 53, 51.069,
104.331


 100, 51.069,
104.331


 43, 51.069,
104.331


 73, 51.069,
104.331

 33, 51.069,
104.331

 83, 51.069,
104.331

 23, 51.069,
104.331

 93, 51.069,
104.331

 13, 51.069,
104.331

 3, 51.069, 104.331

 0, 51.069, 104.331

■ 53, 51.069,
104.331

■ 53, 51.069,
104.331

■ 53, 55.176,
103.873

■ 53, 45.780,
104.953

■ 53, 57.878,
103.594

■ 53, 39.639,
105.695

■ 53, 59.084,
103.475

■ 53, 32.930,
106.520

■ 54, 25.859,
107.399

■ 54, 18.568,
108.308

■ 54, 11.148,
109.225

■ 55, 3.661, 110.132

■ 55, 3.854, 291.054

■ 55, 11.370,
291.921

Harmonies

Complementary

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



53, 51.069, 104.331



20, 64.428, 302.427

Rectangle

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



53, 51.069, 104.331



53, 51.069, 154.331



53, 51.069, 284.331



53, 51.069, 334.331

Sweetspot

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



53, 51.069, 104.333



69, 20.433, 108.525



29, 48.451, 31.182



36, 13.822, 108.317



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 51.069, 104.333



68, 69.552, 103.658



50, 55.884, 126.316



28, 4.274, 109.749



53, 58.811, 103.474



1, 1.028, 110.583

Inverse Universe

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



20, 64.428, 302.427



22, 93.669, 305.316



25, 62.345, 312.490



25, 4.364, 291.475



13, 81.136, 306.334



0, 1.028, 290.584

Previews

White Background



This preview shows how the CIELCh color 53, 51.069, 104.331 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 CIE LCh color 53, 51.069, 104.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

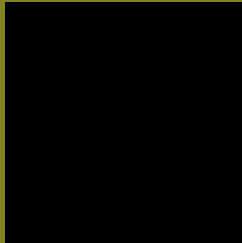
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 51.069, 104.331

Background



This preview shows how black text looks on a background with the CIELCh color 53, 51.069, 104.331.



This preview shows how white text looks on a background with the CIELCh color 53, 51.069, 104.331.

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

53, 51.069, 104.331

Protanopia

53, 50.428, 95.661

Deuteranopia

53, 48.881, 81.673



Tritanopia
53, 8.621, 338.285

Trichromacy



Original Color
53, 51.069, 104.331

Protanomaly
53, 50.497, 98.401

Deuteranomaly
53, 48.661, 90.398

Tritanomaly
53, 17.251, 93.390

Monochromacy



Original Color
53, 51.069, 104.331

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 20.139, 107.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 51.069, 104.331 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(130, 131, 33)` looks like.

```
.text, #text, p{  
    color:rgb(130, 131, 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(130, 131, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 131, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 51.069, 104.331 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(130, 131, 33) }
```

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

```
.border{ border-color:rgb(130, 131, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 131, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 131, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 131, 33);  
box-shadow:4px 4px 4px 4px rgb(130, 131,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 51.069, 104.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 131, 33) }
```

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

```
.background{ background-color: rgb(130,  
131, 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](#).

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