

Converting Colors

CIELCh(53, 9.822, 122.126)

Have a look what the booklet for
CIELCh(53, 9.822, 122.126) contains.

CIELCh(53, 10.099, 123.113)	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(53, 10.099, 123.113)

Conversions

Conversions Part 1

Format	Color
Hex	7B8170
RGB	123, 129, 112
RGB Percent	48%, 51%, 44%
CMY	0.5180, 0.4945, 0.5612
CMYK	0.05, 0.00, 0.13, 0.49
HSL	81°, 7%, 47%
HSV	81°, 13%, 51%
XYZ	18.9111, 21.0462, 18.3669
YIQ	125.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

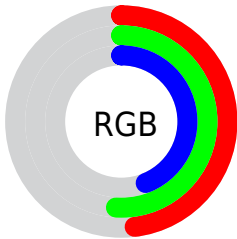
Format	Color
R_{YB}	112, 129, 118
Decimal	8094064
CIE Lab	53.00, -5.52, 8.46
CIE LCh	53, 10.099, 123.113
Yxy	21.0462, 0.3242, 0.3608
Android (android.graphics.Color)	4286284144 (0xFF7B8170)
YUV	125.2680, -6.5411, -1.9890
Hunter-Lab	45.8761, -6.7018, 8.3760

Details

The CIELCh color $53, 10.099, 123.113$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 10.333, 304.478$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 10.106, 124.617$, and $33, 10.374, 123.656$ is the 20% darker color. If you saturate the color by 10%, you get $52, 17.732, 122.590$, and if you desaturate by 10%, it is $54, 2.436, 123.642$.

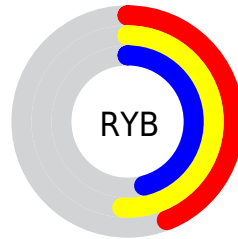
Distribution



Red (48%)

Green (51%)

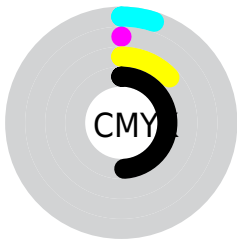
Blue (44%)



Red (44%)

Yellow (51%)

Blue (46%)

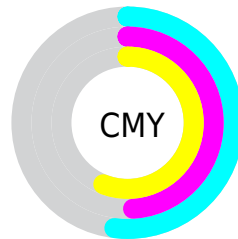


Cyan (5%)

Magenta (0%)

Yellow (13%)

Black (49%)



Cyan (52%)


Magenta (49%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 10.099, 123.113 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, 10.099, 123.113 by changing the saturation by 10% instead.


 53, 10.099,
123.113


 53, 10.099,
123.113


 100, 10.099,
123.113


 43, 10.099,
123.113


 73, 10.099,
123.113

 33, 10.099,
123.113

 83, 10.099,
123.113

 23, 10.099,
123.113

 93, 10.099,
123.113

 13, 10.099,
123.113

 3, 10.099, 123.113

 0, 10.099, 123.113

■ 53, 10.099,
123.113

■ 53, 10.099,
123.113

■ 52, 17.732,
122.590

■ 54, 2.436, 123.642

■ 52, 25.273,
122.065

■ 54, 5.219, 304.098

■ 51, 32.636,
121.565

■ 55, 12.835,
304.561

■ 51, 39.699,
121.127

■ 56, 20.390,
304.988

■ 50, 46.280,
120.806

■ 57, 27.868,
305.382

■ 50, 52.129,
120.681

■ 58, 35.258,
305.744

■ 49, 56.938,
120.854

■ 59, 42.550,
306.077

■ 49, 60.423,

■ 60, 49.739,
306.380

121.423

■ 61, 56.821,
306.657

■ 49, 62.454,
121.872

Harmonies

Complementary

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



53, 10.099, 123.113



48, 10.333, 304.478

Rectangle

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



53, 10.099, 123.113



53, 10.099, 173.113



53, 10.099, 303.113



53, 10.099, 353.113

Sweetspot

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



53, 10.100, 123.117



69, 3.804, 123.592



50, 5.757, 56.634



36, 2.692, 123.557



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



53, 10.100, 123.117



68, 15.236, 122.950



52, 11.487, 139.667



27, 4.277, 123.331



48, 61.955, 121.856



0, 0.000, 0.000

Inverse Universe

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



48, 10.333, 304.478



60, 15.670, 304.666



49, 11.546, 320.856



25, 4.348, 304.246



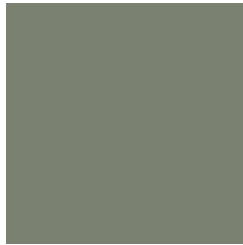
16, 76.643, 309.401



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 53, 10.099, 123.113 looks on a white background.

Color Contrast Check

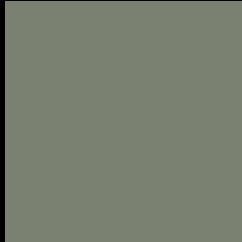
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 10.099, 123.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

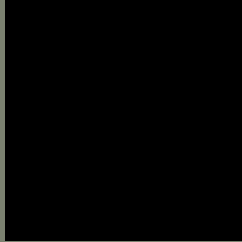
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

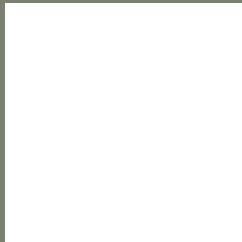
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 10.099, 123.113

Background



This preview shows how black text looks on a background with the CIELCh color 53, 10.099, 123.113.



This preview shows how white text looks on a background with the CIELCh color 53, 10.099, 123.113.

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, 10.099, 123.113

Protanopia

53, 9.548, 93.714

Deuteranopia

53, 10.302, 50.257



Tritanopia
53, 5.211, 290.833

Trichromacy



Original Color
53, 10.099, 123.113

Protanomaly
53, 9.241, 103.836

Deuteranomaly
53, 8.311, 75.667

Tritanomaly
53, 0.790, 199.821

Monochromacy



Original Color
53, 10.099, 123.113

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 3.563, 122.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 10.099, 123.113 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(123, 129, 112)` looks like.

```
.text, #text, p{  
    color:rgb(123, 129, 112)  
}
```

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(123, 129, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 129, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 10.099, 123.113 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(123, 129, 112) }
```

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

```
.border{ border-color:rgb(123, 129, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 129, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 129, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 129, 112);  
box-shadow:4px 4px 4px 4px rgb(123, 129,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 10.099, 123.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 129, 112) }
```

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

```
.background{ background-color: rgb(123,  
129, 112) }
```

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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