

Converting Colors

CIELCh(51, 23.471, 38.766)

Have a look what the booklet for
CIELCh(51, 23.471, 38.766) contains.

CIELCh(51, 23.520, 38.773)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 23.520, 38.773)

Conversions

Conversions Part 1

Format	Color
Hex	9F6D61
RGB	159, 109, 97
RGB Percent	62%, 43%, 38%
CMY	0.3753, 0.5714, 0.6185
CMYK	0.00, 0.31, 0.39, 0.38
HSL	12°, 24%, 50%
HSV	12°, 39%, 62%
XYZ	22.0290, 19.2686, 13.9347
YIQ	122.5820, 33.6520, 6.8680

Conversions

Conversions Part 2

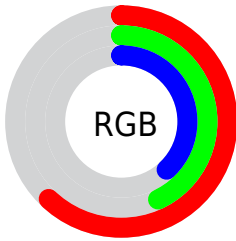
Format	Color
R_{YB}	159, 112, 97
Decimal	10448225
CIE Lab	51.00, 18.34, 14.73
CIE LCh	51, 23.520, 38.773
Yxy	19.2686, 0.3988, 0.3489
Android (android.graphics.Color)	4288638305 (0xFF9F6D61)
YUV	122.5820, -12.6119, 31.9386
Hunter-Lab	43.8960, 12.7614, 11.9057

Details

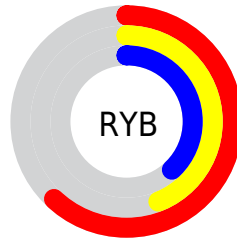
The CIELCh color **51, 23.520, 38.773** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **58, 17.859, 220.675**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 23.331, 38.644**, and **31, 23.611, 38.226** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.763, 39.192**, and if you desaturate by 10%, it is **55, 16.778, 38.558**.

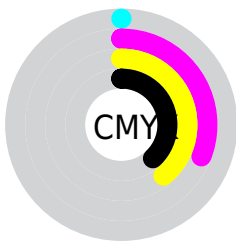
Distribution



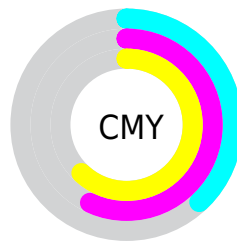
- Red (62%)
- Green (43%)
- Blue (38%)



- Red (62%)
- Yellow (44%)
- Blue (38%)



- Cyan (0%)
- Magenta (31%)
- Yellow (39%)
- Black (38%)



- Cyan (38%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 23.520, 38.773 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 51, 23.520, 38.773 by changing the saturation by 10% instead.

■ 51, 23.520, 38.773

■ 51, 23.520, 38.773

■ 100, 23.520,
38.773

■ 41, 23.520, 38.773

■ 71, 23.520, 38.773

■ 31, 23.520, 38.773

■ 81, 23.520, 38.773

■ 21, 23.520, 38.773

■ 91, 23.520, 38.773

■ 11, 23.520, 38.773

■ 1, 23.520, 38.773

■ 0, 23.520, 38.773

■ 51, 23.520, 38.773

■ 51, 23.520, 38.773

■ 48, 30.763, 39.192

■ 55, 16.778, 38.558

■ 44, 38.471, 39.831

■ 58, 10.540, 38.487

41, 46.533, 40.701

62, 4.777, 38.505

39, 54.693, 41.733

66, 0.547, 219.606

37, 62.391, 42.669

70, 5.475, 219.083

35, 68.978, 43.385

74, 10.051,
219.329

35, 69.675, 43.529

78, 14.315,
219.636

82, 18.306,
219.973

86, 22.057,
220.327

Harmonies

Complementary

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



51, 23.520, 38.773



58, 17.859, 220.675

Rectangle

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



51, 23.520, 38.773



51, 23.520, 88.773



51, 23.520, 218.773



51, 23.520, 268.773

Sweetspot

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



51, 23.519, 38.778



77, 8.029, 38.497



50, 37.233, 332.392



40, 5.394, 38.493



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



51, 23.519, 38.778



62, 36.352, 39.138



59, 25.400, 87.506



31, 3.006, 38.504



31, 63.792, 43.466



2, 3.826, 37.593

Inverse Universe

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



58, 17.859, 220.675



72, 25.566, 221.587



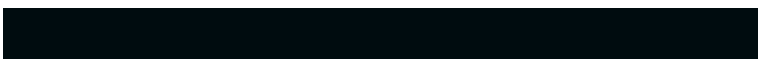
49, 25.424, 278.690



32, 2.842, 219.066



45, 28.407, 233.314



3, 3.744, 222.493

Previews

White Background



This preview shows how the CIELCh color 51, 23.520, 38.773 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 51, 23.520, 38.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

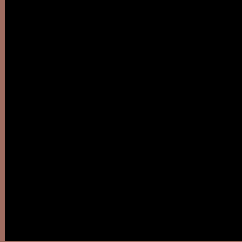
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 23.520, 38.773

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.520, 38.773.



This preview shows how white text looks on a background with the CIELCh color 51, 23.520, 38.773.

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

51, 23.520, 38.773

Protanopia

51, 11.292, 95.656

Deuteranopia

51, 16.577, 66.913



Tritanopia
51, 23.125, 10.965

Trichromacy



Original Color
51, 23.520, 38.773

Protanomaly
51, 13.418, 63.572

Deuteranomaly
51, 18.555, 54.585

Tritanomaly
51, 22.328, 20.687

Monochromacy



Original Color
51, 23.520, 38.773

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 7.871, 37.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.520, 38.773 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(159, 109, 97)` looks like.

```
.text, #text, p{  
    color:rgb(159, 109, 97)  
}
```

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(159, 109, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 109, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.520, 38.773 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(159, 109, 97) }
```

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

```
.border{ border-color:rgb(159, 109, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 109, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 109, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 109, 97);  
box-shadow:4px 4px 4px 4px rgb(159, 109,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.520, 38.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 109, 97) }
```

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

```
.background{ background-color: rgb(159,  
109, 97) }
```

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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