

Converting Colors

CIELCh(51, 22.961, 47.780)

Have a look what the booklet for
CIELCh(51, 22.961, 47.780) contains.

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Color

CIELCh(51, 23.049, 47.899)

Conversions

Conversions Part 1

Format	Color
Hex	9C6F5D
RGB	156, 111, 93
RGB Percent	61%, 44%, 36%
CMY	0.3877, 0.5642, 0.6348
CMYK	0.00, 0.29, 0.40, 0.39
HSL	17°, 25%, 49%
HSV	17°, 40%, 61%
XYZ	21.4143, 19.2686, 12.9737
YIQ	122.4030, 32.5980, 3.9420

Conversions

Conversions Part 2

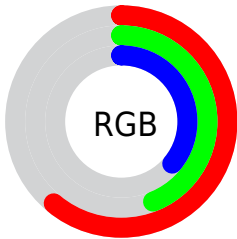
Format	Color
R_{YB}	156, 118, 93
Decimal	10252125
CIE _{Lab}	51.00, 15.45, 17.10
CIE _{LCh}	51, 23.049, 47.899
Yxy	19.2686, 0.3991, 0.3591
Android (android.graphics.Color)	4288442205 (0xFF9C6F5D)
YUV	122.4030, -14.4957, 29.4646
Hunter-Lab	43.8960, 10.2615, 13.2038

Details

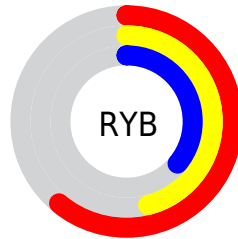
The CIELCh color $51, 23.049, 47.899$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 17.848, 233.942$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 23.166, 48.564$, and $31, 23.094, 47.671$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.884, 47.699$, and if you desaturate by 10%, it is $54, 16.676, 48.230$.

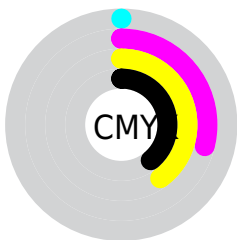
Distribution



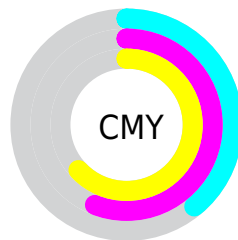
- Red (61%)
- Green (44%)
- Blue (36%)



- Red (61%)
- Yellow (46%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (40%)
- Black (39%)



- Cyan (39%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 23.049, 47.899 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, 23.049, 47.899 by changing the saturation by 10% instead.

■ 51, 23.049, 47.899

■ 51, 23.049, 47.899

■ 100, 23.049,
47.899

■ 41, 23.049, 47.899

■ 71, 23.049, 47.899

■ 31, 23.049, 47.899

■ 81, 23.049, 47.899

■ 21, 23.049, 47.899

■ 91, 23.049, 47.899

■ 11, 23.049, 47.899

■ 1, 23.049, 47.899

■ 0, 23.049, 47.899

■ 51, 23.049, 47.899

■ 51, 23.049, 47.899

■ 48, 29.884, 47.699

■ 54, 16.676, 48.230

■ 45, 37.153, 47.623

■ 57, 10.760, 48.650

42, 44.751, 47.654

61, 5.271, 49.123

40, 52.415, 47.693

64, 0.173, 47.316

38, 59.561, 47.470

68, 4.574, 230.485

36, 65.717, 47.183

71, 9.010, 231.078

75, 13.172,
231.716

78, 17.092,
232.366

82, 20.801,
233.016

Harmonies

Complementary

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



51, 23.049, 47.899



55, 17.848, 233.942

Rectangle

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



51, 23.049, 47.899



51, 23.049, 97.899



51, 23.049, 227.899



51, 23.049, 277.899

Sweetspot

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



51, 23.048, 47.905



77, 7.647, 49.035



48, 35.425, 336.509



40, 5.083, 48.978



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 23.048, 47.905



62, 35.228, 47.720



59, 28.219, 94.648



32, 2.895, 49.174



33, 61.267, 47.335



2, 3.686, 47.977

Inverse Universe

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



55, 17.848, 233.942



68, 25.548, 235.460



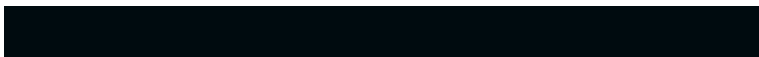
46, 29.496, 285.505



32, 2.754, 230.510



40, 30.858, 252.284



2, 3.663, 234.207

Previews

White Background



This preview shows how the CIELCh color 51, 23.049, 47.899 looks on a white background.

Color Contrast Check

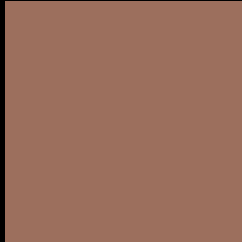
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 23.049, 47.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

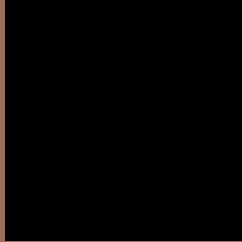
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 23.049, 47.899

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.049, 47.899.



This preview shows how white text looks on a background with the CIELCh color 51, 23.049, 47.899.

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, 23.049, 47.899

Protanopia

51, 14.208, 96.072

Deuteranopia

51, 18.736, 70.093



Tritanopia
51, 21.417, 9.772

Trichromacy



Original Color
51, 23.049, 47.899

Protanomaly
51, 15.858, 72.898

Deuteranomaly
51, 20.159, 61.388

Tritanomaly
51, 20.689, 23.473

Monochromacy



Original Color
51, 23.049, 47.899

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 7.856, 50.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.049, 47.899 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(156, 111, 93)` looks like.

```
.text, #text, p{  
    color:rgb(156, 111, 93)  
}
```

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(156, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 111, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.049, 47.899 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(156, 111, 93) }
```

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

```
.border{ border-color:rgb(156, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(156, 111,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.049, 47.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 111, 93) }
```

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

```
.background{ background-color: rgb(156,  
111, 93) }
```

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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