

Converting Colors

CIELCh(51, 29.697, 23.180)

Have a look what the booklet for
CIELCh(51, 29.697, 23.180) contains.

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Color

CIELCh(51, 29.697, 23.180)

Conversions

Conversions Part 1

Format	Color
Hex	AB6767
RGB	171, 103, 103
RGB Percent	67%, 40%, 40%
CMY	0.3303, 0.5968, 0.5968
CMYK	0.00, 0.40, 0.40, 0.33
HSL	360°, 29%, 54%
HSV	360°, 40%, 67%
XYZ	24.0144, 19.2686, 15.2339
YIQ	123.3320, 40.5280, 14.4160

Conversions

Conversions Part 2

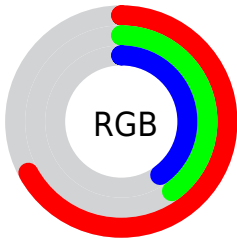
Format	Color
R_{YB}	171, 103, 103
Decimal	11233127
CIE Lab	51.00, 27.30, 11.69
CIE LCh	51, 29.697, 23.180
Yxy	19.2686, 0.4104, 0.3293
Android (android.graphics.Color)	4289423207 (0xFFAB6767)
YUV	123.3320, -10.0237, 41.8048
Hunter-Lab	43.8960, 20.8348, 10.1509

Details

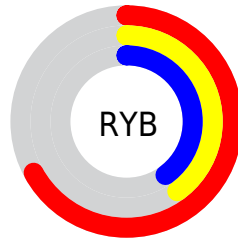
The CIELCh color **51, 29.697, 23.180** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **66, 22.508, 197.544**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 29.558, 23.209**, and **31, 29.799, 23.003** is the 20% darker color. If you saturate the color by 10%, you get **47, 38.320, 24.945**, and if you desaturate by 10%, it is **55, 21.467, 21.830**.

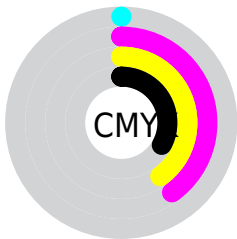
Distribution



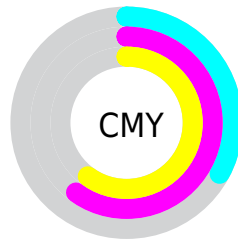
- Red (67%)
- Green (40%)
- Blue (40%)



- Red (67%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (33%)



- Cyan (33%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 29.697, 23.180 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, 29.697, 23.180 by changing the saturation by 10% instead.

■ 51, 29.697, 23.180

■ 51, 29.697, 23.180

■ 100, 29.697,
23.180

■ 41, 29.697, 23.180

■ 71, 29.697, 23.180

■ 31, 29.697, 23.180

■ 81, 29.697, 23.180

■ 21, 29.697, 23.180

■ 91, 29.697, 23.180

■ 11, 29.697, 23.180

■ 1, 29.697, 23.180

■ 0, 29.697, 23.180

■ 51, 29.697, 23.180

■ 51, 29.697, 23.180

■ 47, 38.320, 24.945

■ 55, 21.467, 21.830

■ 43, 47.160, 27.219

■ 60, 13.736, 20.784

40, 55.949, 30.081

65, 6.541, 19.946

38, 64.316, 33.467

70, 0.126, 203.293

36, 71.602, 36.943

75, 6.296, 198.987

35, 77.210, 39.841

80, 12.015,
198.560

35, 77.322, 39.897

85, 17.331,
198.235

90, 22.292,
197.974

95, 26.544,
197.781

Harmonies

Complementary

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



51, 29.697, 23.180



66, 22.508, 197.544

Rectangle

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



51, 29.697, 23.180



51, 29.697, 73.180



51, 29.697, 203.180



51, 29.697, 253.180

Sweetspot

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



51, 29.695, 23.184



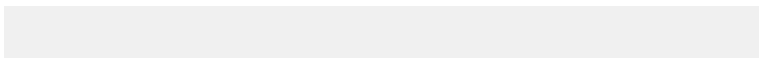
81, 10.000, 20.136



53, 45.357, 326.048



42, 6.719, 20.236



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 29.695, 23.184



61, 45.571, 24.757



59, 24.386, 68.816



33, 3.724, 19.905



30, 69.026, 39.359



1, 6.572, 19.403

Inverse Universe

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



51, 29.695, 23.184



61, 45.571, 24.757



56, 21.546, 260.241



33, 3.724, 19.905



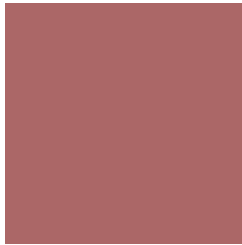
30, 69.026, 39.359



1, 6.572, 19.403

Previews

White Background



This preview shows how the CIELCh color 51, 29.697, 23.180 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, 29.697, 23.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

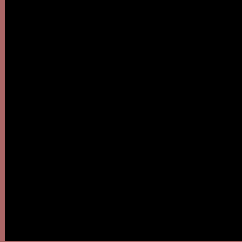
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.697, 23.180

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.697, 23.180.



This preview shows how white text looks on a background with the CIELCh color 51, 29.697, 23.180.

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, 29.697, 23.180

Protanopia

51, 5.611, 87.806

Deuteranopia

51, 14.497, 62.680



Tritanopia
51, 29.696, 15.659

Trichromacy



Original Color
51, 29.697, 23.180

Protanomaly
51, 12.309, 34.243

Deuteranomaly
51, 18.826, 40.825

Tritanomaly
51, 29.778, 17.859

Monochromacy



Original Color
51, 29.697, 23.180

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 9.996, 20.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.697, 23.180 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(171, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 103)  
}
```

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(171, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.697, 23.180 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(171, 103, 103) }
```

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

```
.border{ border-color:rgb(171, 103, 103) }
```

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

Here you see how a box with a 4 pixel rgb(171, 103, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.697, 23.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 103) }
```

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

```
.background{ background-color: rgb(171,  
103, 103) }
```

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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