

Converting Colors

CIELCh(51, 27.323, 40.998)

Have a look what the booklet for
CIELCh(51, 27.323, 40.998) contains.

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Color

CIELCh(51, 27.471, 40.312)

Conversions

Conversions Part 1

Format	Color
Hex	A46B5C
RGB	164, 107, 92
RGB Percent	64%, 42%, 36%
CMY	0.3557, 0.5794, 0.6382
CMYK	0.00, 0.35, 0.44, 0.36
HSL	13°, 28%, 50%
HSV	13°, 44%, 64%
XYZ	22.5956, 19.2686, 12.7102
YIQ	122.3330, 38.7870, 7.4190

Conversions

Conversions Part 2

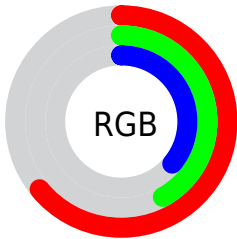
Format	Color
RYB	164, 111, 92
Decimal	10775388
CIELab	51.00, 20.95, 17.77
CIELCh	51, 27.471, 40.312
Yxy	19.2686, 0.4140, 0.3531
Android (android.graphics.Color)	4288965468 (0xFFA46B5C)
YUV	122.3330, -14.9542, 36.5420
Hunter-Lab	43.8960, 15.0651, 13.5597

Details

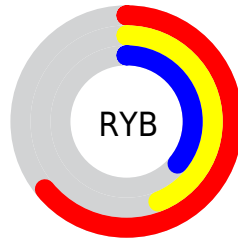
The CIELCh color **51, 27.471, 40.312** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **59, 20.064, 223.261**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 27.562, 40.807**, and **31, 27.599, 40.409** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.083, 40.730**, and if you desaturate by 10%, it is **55, 20.361, 40.101**.

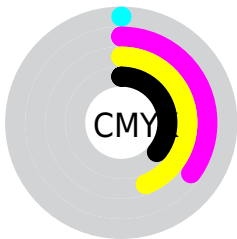
Distribution



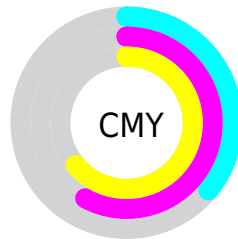
- Red (64%)
- Green (42%)
- Blue (36%)



- Red (64%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (35%)
- Yellow (44%)
- Black (36%)



- Cyan (36%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 27.471, 40.312 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, 27.471, 40.312 by changing the saturation by 10% instead.

■ 51, 27.471, 40.312

■ 51, 27.471, 40.312

■ 100, 27.471,
40.312

■ 41, 27.471, 40.312

■ 71, 27.471, 40.312

■ 31, 27.471, 40.312

■ 81, 27.471, 40.312

■ 21, 27.471, 40.312

■ 91, 27.471, 40.312

■ 11, 27.471, 40.312

■ 1, 27.471, 40.312

■ 0, 27.471, 40.312

■ 51, 27.471, 40.312

■ 51, 27.471, 40.312

■ 48, 35.083, 40.730

■ 55, 20.361, 40.101

■ 44, 43.133, 41.359

■ 58, 13.769, 40.048

42, 51.449, 42.177

62, 7.677, 40.111

39, 59.643, 43.037

66, 2.049, 40.136

37, 66.863, 43.522

70, 3.157, 220.780

36, 70.933, 43.985

74, 7.985, 221.014

78, 12.480,
221.356

82, 16.680,
221.735

86, 20.622,
222.134

Harmonies

Complementary

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



51, 27.471, 40.312



59, 20.064, 223.261

Rectangle

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



51, 27.471, 40.312



51, 27.471, 90.312



51, 27.471, 220.312



51, 27.471, 270.312

Sweetspot

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



51, 27.470, 40.317



79, 8.922, 40.117



49, 42.253, 333.364



41, 6.285, 40.096



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



51, 27.470, 40.317



61, 42.877, 40.737



60, 29.802, 88.150



33, 3.062, 40.156



32, 64.349, 44.016



2, 4.660, 38.179

Inverse Universe

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



59, 20.064, 223.261



73, 28.637, 224.616



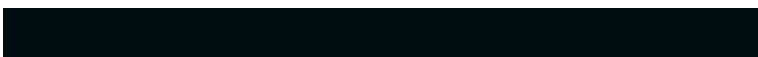
48, 30.152, 280.987



33, 2.895, 220.847



45, 28.970, 236.544



3, 4.519, 226.350

Previews

White Background



This preview shows how the CIELCh color 51, 27.471, 40.312 looks on a white background.

Color Contrast Check

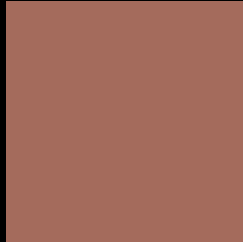
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.471, 40.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

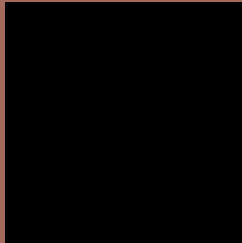
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 27.471, 40.312

Background



This preview shows how black text looks on a background with the CIELCh color 51, 27.471, 40.312.



This preview shows how white text looks on a background with the CIELCh color 51, 27.471, 40.312.

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, 27.471, 40.312

Protanopia

51, 13.644, 95.664

Deuteranopia

51, 19.979, 70.880



Tritanopia
51, 26.616, 13.036

Trichromacy



Original Color
51, 27.471, 40.312

Protanomaly
51, 16.127, 65.685

Deuteranomaly
51, 21.642, 56.477

Tritanomaly
51, 26.064, 22.666

Monochromacy



Original Color
51, 27.471, 40.312

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 9.318, 38.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 27.471, 40.312 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(164, 107, 92)` looks like.

```
.text, #text, p{  
    color:rgb(164, 107, 92)  
}
```

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(164, 107, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 107, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 27.471, 40.312 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(164, 107, 92) }
```

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

```
.border{ border-color:rgb(164, 107, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 107, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 107, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 107, 92);  
box-shadow:4px 4px 4px 4px rgb(164, 107,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 27.471, 40.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 107, 92) }
```

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

```
.background{ background-color: rgb(164,  
107, 92) }
```

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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