

Converting Colors

CIELCh(51, 29.485, 47.456)

Have a look what the booklet for
CIELCh(51, 29.485, 47.456) contains.

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Color

CIELCh(51, 29.472, 48.256)

Conversions

Conversions Part 1

Format	Color
Hex	A46C55
RGB	164, 108, 85
RGB Percent	64%, 42%, 33%
CMY	0.3569, 0.5765, 0.6667
CMYK	0.00, 0.34, 0.48, 0.36
HSL	17°, 32%, 49%
HSV	17°, 48%, 64%
XYZ	22.3068, 19.2686, 11.1349
YIQ	122.1220, 40.7590, 4.7190

Conversions

Conversions Part 2

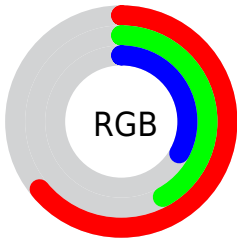
Format	Color
RYB	164, 117, 85
Decimal	10775637
CIELab	51.00, 19.62, 21.99
CIElCh	51, 29.472, 48.256
Yxy	19.2686, 0.4232, 0.3656
Android (android.graphics.Color)	4288965717 (0xFFA46C55)
YUV	122.1220, -18.3011, 36.7270
Hunter-Lab	43.8960, 13.8910, 15.6874

Details

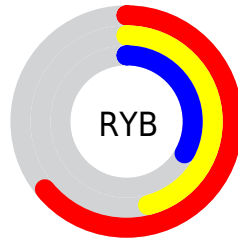
The CIELCh color **51, 29.472, 48.256** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **56, 21.542, 236.161**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 29.384, 48.428**, and **31, 29.444, 48.873** is the 20% darker color. If you saturate the color by 10%, you get **48, 36.932, 48.118**, and if you desaturate by 10%, it is **54, 22.471, 48.529**.

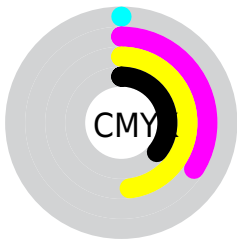
Distribution



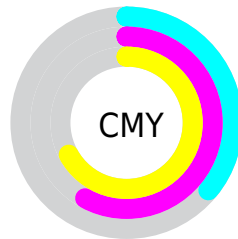
- Red (64%)
- Green (42%)
- Blue (33%)



- Red (64%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (34%)
- Yellow (48%)
- Black (36%)



- Cyan (36%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 29.472, 48.256 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, 29.472, 48.256 by changing the saturation by 10% instead.

■ 51, 29.472, 48.256

■ 51, 29.472, 48.256

■ 100, 29.472,
48.256

■ 41, 29.472, 48.256

■ 71, 29.472, 48.256

■ 31, 29.472, 48.256

■ 81, 29.472, 48.256

■ 21, 29.472, 48.256

■ 91, 29.472, 48.256

■ 11, 29.472, 48.256

■ 1, 29.472, 48.256

■ 0, 29.472, 48.256

■ 51, 29.472, 48.256

■ 51, 29.472, 48.256

■ 48, 36.932, 48.118

■ 54, 22.471, 48.529

■ 45, 44.763, 48.086

■ 58, 15.954, 48.909

42, 52.733, 48.084

61, 9.904, 49.375

40, 60.310, 47.882

64, 4.290, 49.873

38, 66.798, 47.279

68, 0.929, 231.058

38, 68.039, 47.306

72, 5.792, 231.304

75, 10.342,
231.937

79, 14.616,
232.600

82, 18.647,
233.270

Harmonies

Complementary

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



51, 29.472, 48.256



56, 21.542, 236.161

Rectangle

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



51, 29.472, 48.256



51, 29.472, 98.256



51, 29.472, 228.256



51, 29.472, 278.256

Sweetspot

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



51, 29.471, 48.261



80, 9.343, 49.571



47, 43.533, 337.180



41, 6.489, 49.468



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, 29.471, 48.261



62, 45.915, 48.111



61, 34.995, 93.660



33, 2.969, 49.821



33, 61.973, 47.584



2, 4.511, 47.088

Inverse Universe

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



56, 21.542, 236.161



69, 30.772, 238.602



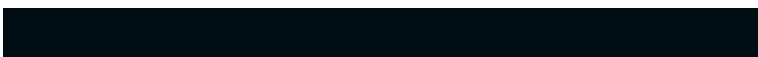
44, 37.102, 287.224



33, 2.826, 231.205



41, 31.519, 253.405



3, 4.481, 237.490

Previews

White Background



This preview shows how the CIELCh color 51, 29.472, 48.256 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, 29.472, 48.256 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, 29.472, 48.256

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.472, 48.256.



This preview shows how white text looks on a background with the CIELCh color 51, 29.472, 48.256.

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, 29.472, 48.256

Protanopia

51, 18.334, 95.351

Deuteranopia

51, 23.950, 74.135



Tritanopia
51, 26.616, 13.036

Trichromacy



Original Color
51, 29.472, 48.256

Protanomaly
51, 20.180, 72.736

Deuteranomaly
51, 25.308, 63.210

Tritanomaly
51, 26.414, 26.338

Monochromacy



Original Color
51, 29.472, 48.256

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 9.702, 48.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.472, 48.256 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, 108, 85)` looks like.

```
.text, #text, p{  
    color:rgb(164, 108, 85)  
}
```

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, 108, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 108, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.472, 48.256 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, 108, 85) }
```

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

```
.border{ border-color:rgb(164, 108, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 108, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 108, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 108, 85);  
box-shadow:4px 4px 4px 4px rgb(164, 108,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.472, 48.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 108, 85) }
```

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

```
.background{ background-color: rgb(164,  
108, 85) }
```

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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