

Converting Colors

CIELCh(48, 27.891, 48.863)

Have a look what the booklet for
CIELCh(48, 27.891, 48.863) contains.

CIELCh(48, 28.313, 48.465)	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(48, 28.313, 48.465)

Conversions

Conversions Part 1

Format	Color
Hex	9A654F
RGB	154, 101, 79
RGB Percent	60%, 40%, 31%
CMY	0.3954, 0.6033, 0.6896
CMYK	0.00, 0.34, 0.49, 0.40
HSL	18°, 32%, 46%
HSV	18°, 49%, 60%
XYZ	19.4484, 16.7945, 9.6438
YIQ	114.3390, 38.6500, 4.3940

Conversions

Conversions Part 2

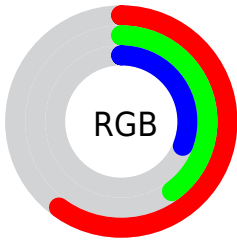
Format	Color
RYB	154, 110, 79
Decimal	10118479
CIELab	48.00, 18.77, 21.19
CIELCh	48, 28.313, 48.465
Yxy	16.7945, 0.4238, 0.3660
Android (android.graphics.Color)	4288308559 (0xFF9A654F)
YUV	114.3390, -17.4221, 34.7827
Hunter-Lab	40.9810, 12.9942, 14.7343

Details

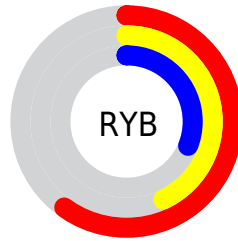
The CIELCh color **48, 28.313, 48.465** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 20.684, 236.536**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.269, 48.634**, and **28, 28.254, 49.127** is the 20% darker color. If you saturate the color by 10%, you get **45, 35.407, 48.314**, and if you desaturate by 10%, it is **51, 21.651, 48.747**.

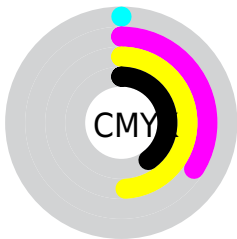
Distribution



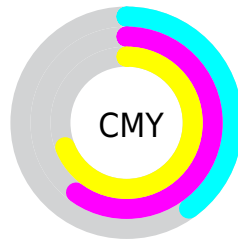
- Red (60%)
- Green (40%)
- Blue (31%)



- Red (60%)
- Yellow (43%)
- Blue (31%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (40%)





















- Cyan (40%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.313, 48.465 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 48, 28.313, 48.465 by changing the saturation by 10% instead.

 48, 28.313, 48.465	 48, 28.313, 48.465
 100, 28.313, 48.465	 38, 28.313, 48.465
 68, 28.313, 48.465	 28, 28.313, 48.465
 78, 28.313, 48.465	 18, 28.313, 48.465
 88, 28.313, 48.465	 8, 28.313, 48.465
 98, 28.313, 48.465	 0, 28.313, 48.465

 48, 28.313, 48.465	 48, 28.313, 48.465
 45, 35.407, 48.314	 51, 21.651, 48.747
 42, 42.850, 48.266	 54, 15.444, 49.135

■ 40, 50.417, 48.242

■ 57, 9.680, 49.607

■ 38, 57.606, 48.014

■ 61, 4.327, 50.114

■ 36, 63.916, 47.525

■ 64, 0.650, 231.470

■ 36, 64.828, 47.576

■ 68, 5.291, 231.552

■ 71, 9.634, 232.185

■ 74, 13.714,
232.852

■ 78, 17.564,
233.525

Harmonies

Complementary

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



48, 28.313, 48.465



52, 20.684, 236.536

Rectangle

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



48, 28.313, 48.465



48, 28.313, 98.465



48, 28.313, 228.465



48, 28.313, 278.465

Sweetspot

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



48, 28.312, 48.470



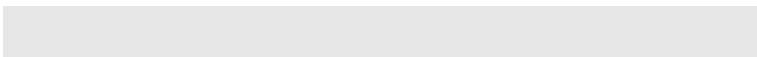
75, 9.553, 49.778



45, 41.798, 337.201



39, 6.618, 49.678



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 28.312, 48.470



58, 43.607, 48.310



58, 33.611, 93.629



31, 2.812, 50.087



32, 60.161, 47.730



1, 2.952, 50.123

Inverse Universe

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



52, 20.684, 236.536



65, 29.332, 238.888



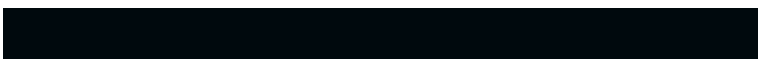
42, 35.652, 287.279



31, 2.678, 231.478



39, 30.765, 253.641



2, 2.947, 232.217

Previews

White Background



This preview shows how the CIELCh color 48, 28.313, 48.465 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 28.313, 48.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

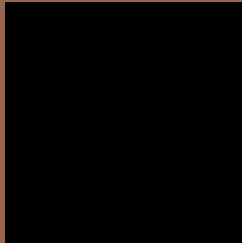
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.313, 48.465

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.313, 48.465.



This preview shows how white text looks on a background with the CIELCh color 48, 28.313, 48.465.

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

48, 28.313, 48.465

Protanopia

48, 17.421, 94.535

Deuteranopia

48, 22.528, 72.772



Tritanopia
48, 25.163, 13.616

Trichromacy



Original Color
48, 28.313, 48.465

Protanomaly
48, 19.211, 71.844

Deuteranomaly
48, 24.132, 62.782

Tritanomaly
48, 24.926, 26.544

Monochromacy



Original Color
48, 28.313, 48.465

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.446, 49.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.313, 48.465 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(154, 101, 79)` looks like.

```
.text, #text, p{  
  color:rgb(154, 101, 79)  
}
```

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(154, 101, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.313, 48.465 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(154, 101, 79) }
```

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

```
.border{ border-color:rgb(154, 101, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 101, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 79);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.313, 48.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 79) }
```

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

```
.background{ background-color: rgb(154,  
101, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor