

Converting Colors

CIELCh(64, 28.237, 76.847)

Have a look what the booklet for
CIELCh(64, 28.237, 76.847) contains.

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Color

CIELCh(64, 28.534, 77.231)

Conversions

Conversions Part 1

Format	Color
Hex	B7966A
RGB	183, 150, 106
RGB Percent	72%, 59%, 42%
CMY	0.2834, 0.4127, 0.5853
CMYK	0.00, 0.18, 0.42, 0.28
HSL	34°, 35%, 57%
HSV	34°, 42%, 72%
XYZ	32.9191, 32.8017, 18.1662
YIQ	154.8510, 33.7920, -6.6880

Conversions

Conversions Part 2

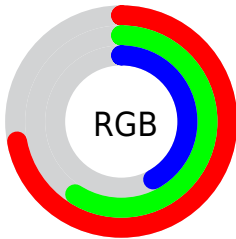
Format	Color
RYB	164, 183, 106
Decimal	12031594
CIELab	64.00, 6.31, 27.83
CIElCh	64, 28.534, 77.231
Yxy	32.8017, 0.3924, 0.3910
Android (android.graphics.Color)	4290221674 (0xFFB7966A)
YUV	154.8510, -24.0835, 24.6867
Hunter-Lab	57.2727, 2.3705, 21.2849

Details

The CIELCh color **64, 28.534, 77.231** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 26.695, 270.127**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.351, 77.226**, and **44, 28.331, 77.024** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.831, 75.845**, and if you desaturate by 10%, it is **66, 21.403, 78.591**.

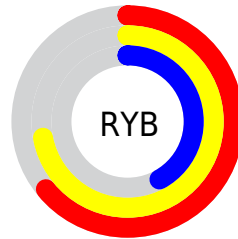
Distribution



Red (72%)

Green (59%)

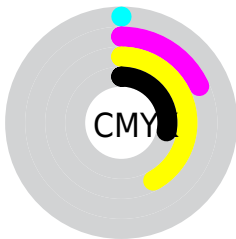
Blue (42%)



Red (64%)

Yellow (72%)

Blue (42%)

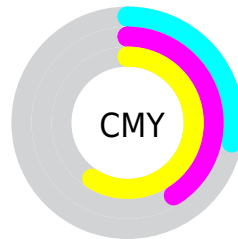


Cyan (0%)

Magenta (18%)

Yellow (42%)

Black (28%)



Cyan (28%)

Magenta (41%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 28.534, 77.231 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 64, 28.534, 77.231 by changing the saturation by 10% instead.

■ 64, 28.534, 77.231

■ 64, 28.534, 77.231

■ 100, 28.534,
77.231

■ 54, 28.534, 77.231

■ 84, 28.534, 77.231

■ 44, 28.534, 77.231

■ 94, 28.534, 77.231

■ 34, 28.534, 77.231

■ 24, 28.534, 77.231

■ 14, 28.534, 77.231

■ 4, 28.534, 77.231

■ 0, 28.534, 77.231

■ 64, 28.534, 77.231

■ 64, 28.534, 77.231

■ 62, 35.831, 75.845

■ 66, 21.403, 78.591

59, 43.172, 74.396

69, 14.487, 79.913

57, 50.310, 72.839

71, 7.800, 81.191

55, 56.777, 71.059

74, 1.336, 82.270

53, 61.836, 68.841

76, 4.917, 263.765

52, 64.825, 66.821

79, 10.978,
264.905

82, 16.865,
266.021

84, 22.597,
267.092

86, 21.425,
257.756

Harmonies

Complementary

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



64, 28.534, 77.231



57, 26.695, 270.127

Rectangle

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



64, 28.534, 77.231



64, 28.534, 127.231



64, 28.534, 257.231



64, 28.534, 307.231

Sweetspot

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



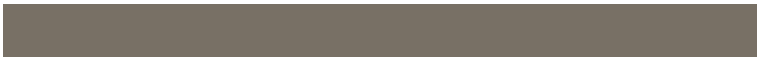
64, 28.534, 77.236



90, 10.358, 81.054



54, 35.392, 351.979



48, 7.335, 80.775



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



64, 28.534, 77.236



79, 43.316, 75.883



72, 40.724, 109.228



38, 3.641, 81.534



44, 57.488, 67.299



6, 9.014, 69.356

Inverse Universe

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



57, 26.695, 270.127



68, 39.953, 272.658



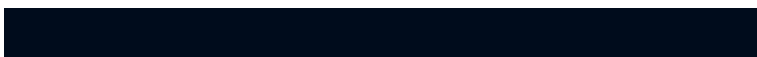
48, 45.368, 297.776



37, 3.600, 264.031



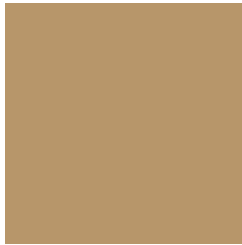
30, 56.557, 289.737



3, 10.904, 272.506

Previews

White Background



This preview shows how the CIELCh color 64, 28.534, 77.231 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 28.534, 77.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

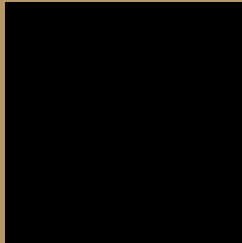
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 28.534, 77.231

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.534, 77.231.



This preview shows how white text looks on a background with the CIELCh color 64, 28.534, 77.231.

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


64, 28.534, 77.231

Protanopia

64, 26.510, 95.190

Deuteranopia

64, 29.093, 73.831



Tritanopia
64, 18.878, 0.815

Trichromacy



Original Color
64, 28.534, 77.231

Protanomaly
64, 26.906, 88.654

Deuteranomaly
64, 28.834, 74.539

Tritanomaly
64, 17.509, 35.496

Monochromacy



Original Color
64, 28.534, 77.231

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 10.130, 80.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.534, 77.231 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(183, 150, 106)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 106)  
}
```

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(183, 150, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.534, 77.231 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(183, 150, 106) }
```

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

```
.border{ border-color:rgb(183, 150, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 150, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(183, 150,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.534, 77.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 106) }
```

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

```
.background{ background-color: rgb(183,  
150, 106) }
```

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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