

Converting Colors

CIELCh(70, 31.440, 88.139)

Have a look what the booklet for
CIELCh(70, 31.440, 88.139) contains.

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Color

CIELCh(70, 31.591, 88.179)

Conversions

Conversions Part 1

Format	Color
Hex	C1A972
RGB	193, 169, 114
RGB Percent	76%, 66%, 45%
CMY	0.2445, 0.3386, 0.5542
CMYK	0.00, 0.12, 0.41, 0.24
HSL	42°, 39%, 60%
HSV	42°, 41%, 76%
XYZ	39.0466, 40.7494, 21.6318
YIQ	169.9060, 31.9590, -12.0170

Conversions

Conversions Part 2

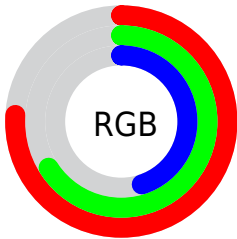
Format	Color
RYB	148, 193, 114
Decimal	12691826
CIELab	70.00, 1.00, 31.58
CIELCh	70, 31.591, 88.179
Yxy	40.7494, 0.3850, 0.4018
Android (android.graphics.Color)	4290881906 (0xFFC1A972)
YUV	169.9060, -27.5617, 20.2534
Hunter-Lab	63.8353, -2.5272, 24.5932

Details

The CIELCh color **70, 31.591, 88.179** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **58, 31.857, 280.198**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 31.852, 87.965**, and **50, 31.521, 87.987** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.425, 86.808**, and if you desaturate by 10%, it is **72, 23.736, 89.520**.

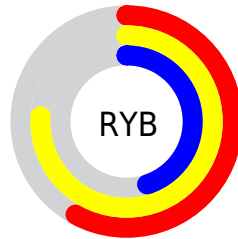
Distribution



Red (76%)

Green (66%)

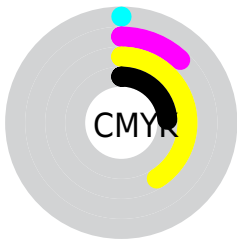
Blue (45%)



Red (58%)

Yellow (76%)

Blue (45%)

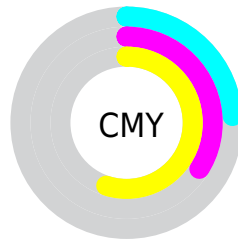


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 31.591, 88.179 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 70, 31.591, 88.179 by changing the saturation by 10% instead.

■ 70, 31.591, 88.179

■ 70, 31.591, 88.179

■ 100, 31.591,
88.179

■ 60, 31.591, 88.179

■ 90, 31.591, 88.179

■ 50, 31.591, 88.179

■ 40, 31.591, 88.179

■ 30, 31.591, 88.179

■ 20, 31.591, 88.179

■ 10, 31.591, 88.179

■ 0, 31.591, 88.179

■ 70, 31.591, 88.179

■ 70, 31.591, 88.179

■ 68, 39.425, 86.808

■ 72, 23.736, 89.520

66, 47.063, 85.384

74, 15.948, 90.816

65, 54.194, 83.881

76, 8.274, 92.065

63, 60.301, 82.237

78, 0.730, 93.014

62, 64.675, 80.332

80, 6.678, 274.510

60, 67.037, 78.357

82, 13.954,
275.613

84, 21.105,
276.676

86, 21.805,
272.142

87, 19.638,
263.408

Harmonies

Complementary

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



70, 31.591, 88.179



58, 31.857, 280.198

Rectangle

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



70, 31.591, 88.179



70, 31.591, 138.179



70, 31.591, 268.179



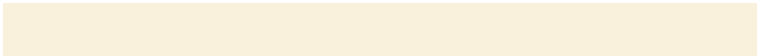
70, 31.591, 318.179

Sweetspot

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



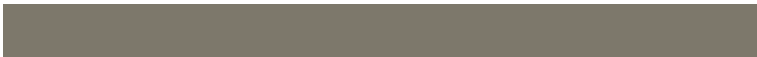
70, 31.592, 88.184



95, 11.173, 91.918



57, 34.276, 359.744



50, 7.419, 91.756



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 31.592, 88.184



87, 46.794, 86.978



75, 41.826, 114.502



40, 4.282, 92.260



51, 58.634, 78.738



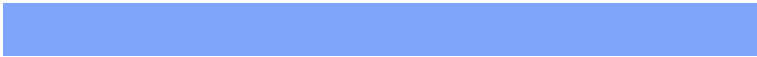
8, 12.877, 82.270

Inverse Universe

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



58, 31.857, 280.198



68, 47.497, 282.286



52, 46.129, 301.131



38, 4.294, 274.650



26, 71.686, 297.801



3, 15.451, 281.162

Previews

White Background



This preview shows how the CIELCh color 70, 31.591, 88.179 looks on a white background.

Color Contrast Check

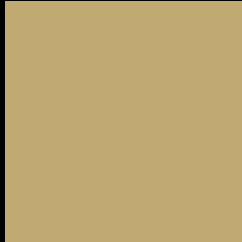
Large Text (above 18pt) WCAG AA × Fail

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 70, 31.591, 88.179 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 70, 31.591, 88.179

Background



This preview shows how black text looks on a background with the CIELCh color 70, 31.591, 88.179.



This preview shows how white text looks on a background with the CIELCh color 70, 31.591, 88.179.

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

70, 31.591, 88.179

Protanopia

70, 30.936, 95.210

Deuteranopia

70, 32.317, 74.350



Tritanopia
70, 16.167, 354.983

Trichromacy



Original Color
70, 31.591, 88.179

Protanomaly
70, 30.763, 92.722

Deuteranomaly
70, 31.761, 79.107

Tritanomaly
70, 14.844, 46.381

Monochromacy



Original Color
70, 31.591, 88.179

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.352, 92.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 31.591, 88.179 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(193, 169, 114)` looks like.

```
.text, #text, p{  
    color:rgb(193, 169, 114)  
}
```

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(193, 169, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 169, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 31.591, 88.179 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(193, 169, 114) }
```

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

```
.border{ border-color:rgb(193, 169, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 169, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 169, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 169, 114);  
box-shadow:4px 4px 4px 4px rgb(193, 169,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 31.591, 88.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 169, 114) }
```

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

```
.background{ background-color: rgb(193,  
169, 114) }
```

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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