

Converting Colors

CIELCh(68, 30.820, 77.067)

Have a look what the booklet for
CIELCh(68, 30.820, 77.067) contains.

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Color

CIELCh(68, 30.780, 77.096)

Conversions

Conversions Part 1

Format	Color
Hex	C4A070
RGB	196, 160, 112
RGB Percent	77%, 63%, 44%
CMY	0.2320, 0.3731, 0.5613
CMYK	0.00, 0.18, 0.43, 0.23
HSL	34°, 42%, 60%
HSV	34°, 43%, 77%
XYZ	38.1861, 37.9720, 20.6053
YIQ	165.2920, 36.8640, -7.2960

Conversions

Conversions Part 2

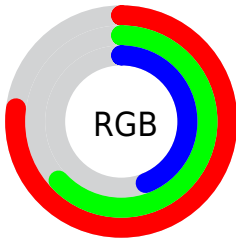
Format	Color
RYB	175, 196, 112
Decimal	12886128
CIELab	68.00, 6.87, 30.00
CIELCh	68, 30.780, 77.096
Yxy	37.9720, 0.3946, 0.3924
Android (android.graphics.Color)	4291076208 (0xFFC4A070)
YUV	165.2920, -26.2730, 26.9309
Hunter-Lab	61.6215, 2.7768, 23.3093

Details

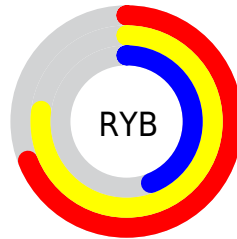
The CIELCh color **68, 30.780, 77.096** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **60, 28.752, 270.358**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 30.968, 77.584**, and **48, 30.865, 77.984** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.512, 75.698**, and if you desaturate by 10%, it is **70, 23.216, 78.466**.

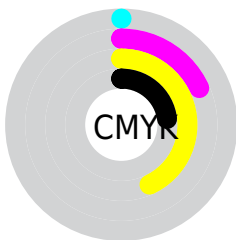
Distribution



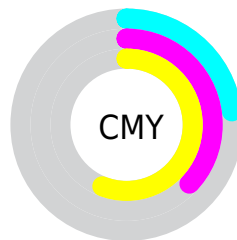
- Red (77%)
- Green (63%)
- Blue (44%)



- Red (69%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (43%)
- Black (23%)



- Cyan (23%)
- Magenta (37%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 30.780, 77.096 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 68, 30.780, 77.096 by changing the saturation by 10% instead.

■ 68, 30.780, 77.096

■ 68, 30.780, 77.096

■ 100, 30.780,
77.096

■ 58, 30.780, 77.096

■ 88, 30.780, 77.096

■ 48, 30.780, 77.096

■ 98, 30.780, 77.096

■ 38, 30.780, 77.096

■ 28, 30.780, 77.096

■ 18, 30.780, 77.096

■ 8, 30.780, 77.096

■ 0, 30.780, 77.096

■ 68, 30.780, 77.096

■ 68, 30.780, 77.096

■ 66, 38.512, 75.698

■ 70, 23.216, 78.466

63, 46.272, 74.235

73, 15.877, 79.797

61, 53.776, 72.653

76, 8.782, 81.086

59, 60.494, 70.827

78, 1.925, 82.230

57, 65.610, 68.527

81, 4.707, 263.681

55, 68.293, 66.634

84, 11.133,
264.826

87, 17.373,
265.949

89, 17.497,
255.895

91, 16.163,
237.961

Harmonies

Complementary

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



68, 30.780, 77.096



60, 28.752, 270.358

Rectangle

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



68, 30.780, 77.096



68, 30.780, 127.096



68, 30.780, 257.096



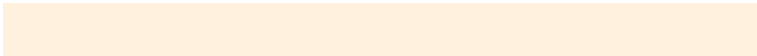
68, 30.780, 307.096

Sweetspot

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



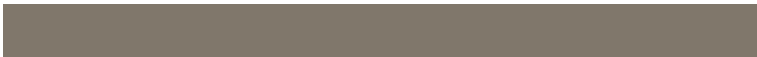
68, 30.780, 77.101



96, 10.987, 81.045



57, 38.108, 352.121



50, 7.719, 80.760



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 30.780, 77.101



84, 45.953, 75.852



77, 43.810, 109.151



40, 3.808, 81.523



46, 58.882, 67.195



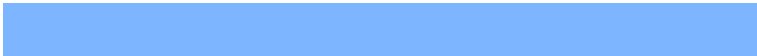
7, 11.726, 66.712

Inverse Universe

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



60, 28.752, 270.358



73, 42.373, 272.712



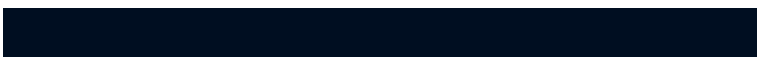
51, 48.961, 297.929



39, 3.764, 264.038



31, 58.073, 289.852



4, 13.809, 274.677

Previews

White Background



This preview shows how the CIELCh color 68, 30.780, 77.096 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 CIELCh color 68, 30.780, 77.096 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 68, 30.780, 77.096

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.780, 77.096.



This preview shows how white text looks on a background with the CIELCh color 68, 30.780, 77.096.

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

68, 30.780, 77.096

Protanopia

68, 28.821, 96.180

Deuteranopia

68, 31.336, 73.976



Tritanopia
68, 19.773, 2.031

Trichromacy



Original Color
68, 30.780, 77.096

Protanomaly
68, 29.279, 89.405

Deuteranomaly
68, 31.081, 74.628

Tritanomaly
68, 18.650, 36.150

Monochromacy



Original Color
68, 30.780, 77.096

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.689, 80.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 30.780, 77.096 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(196, 160, 112)` looks like.

```
.text, #text, p{  
    color:rgb(196, 160, 112)  
}
```

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(196, 160, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 160, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.780, 77.096 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(196, 160, 112) }
```

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

```
.border{ border-color:rgb(196, 160, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 160, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 160, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 160, 112);  
box-shadow:4px 4px 4px 4px rgb(196, 160,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.780, 77.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 160, 112) }
```

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

```
.background{ background-color: rgb(196,  
160, 112) }
```

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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