

Converting Colors

CIELCh(68, 12.984, 77.063)

Have a look what the booklet for
CIELCh(68, 12.984, 77.063) contains.

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Color

CIELCh(68, 12.968, 77.076)

Conversions

Conversions Part 1

Format	Color
Hex	B4A38F
RGB	180, 163, 143
RGB Percent	71%, 64%, 56%
CMY	0.2934, 0.3601, 0.4385
CMYK	0.00, 0.09, 0.21, 0.29
HSL	32°, 20%, 63%
HSV	32°, 21%, 71%
XYZ	36.9656, 37.9720, 31.4374
YIQ	165.8030, 16.5520, -2.6160

Conversions

Conversions Part 2

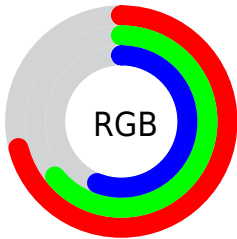
Format	Color
RYB	174, 180, 143
Decimal	11838351
CIELab	68.00, 2.90, 12.64
CIElCh	68, 12.968, 77.076
Yxy	37.9720, 0.3475, 0.3570
Android (android.graphics.Color)	4290028431 (0xFFB4A38F)
YUV	165.8030, -11.2419, 12.4508
Hunter-Lab	61.6215, -0.7586, 12.8870

Details

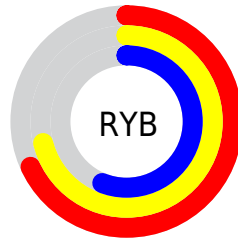
The CIELCh color $68, 12.968, 77.076$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 12.458, 262.672$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 12.877, 77.340$, and $48, 12.753, 75.260$ is the 20% darker color. If you saturate the color by 10%, you get $65, 19.672, 75.796$, and if you desaturate by 10%, it is $71, 6.522, 78.334$.

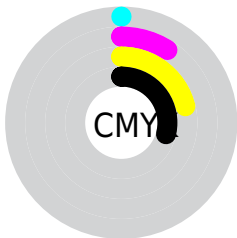
Distribution



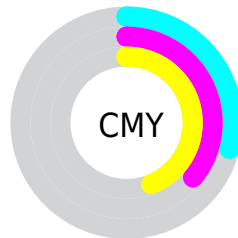
- Red (71%)
- Green (64%)
- Blue (56%)



- Red (68%)
- Yellow (71%)
- Blue (56%)



- Cyan (0%)
- Magenta (9%)
- Yellow (21%)
- Black (29%)



- Cyan (29%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 12.968, 77.076 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, 12.968, 77.076 by changing the saturation by 10% instead.

■ 68, 12.968, 77.076

■ 68, 12.968, 77.076

■ 100, 12.968,
77.076

■ 58, 12.968, 77.076

■ 88, 12.968, 77.076

■ 48, 12.968, 77.076

■ 98, 12.968, 77.076

■ 38, 12.968, 77.076

■ 28, 12.968, 77.076

■ 18, 12.968, 77.076

■ 8, 12.968, 77.076

■ 0, 12.968, 77.076

■ 68, 12.968, 77.076

■ 68, 12.968, 77.076

■ 65, 19.672, 75.796

■ 71, 6.522, 78.334

63, 26.630, 74.479

73, 0.320, 78.652

61, 33.810, 73.134

76, 5.656, 260.879

58, 41.120, 71.745

79, 11.428,
262.013

56, 48.356, 70.264

81, 17.017,
263.119

54, 55.115, 68.584

52, 60.706, 66.492

84, 22.443,
264.183

50, 64.695, 64.113

86, 21.600,
254.592

89, 20.192,
240.278

91, 20.123,
225.067

Harmonies

Complementary

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



68, 12.968, 77.076



65, 12.458, 262.672

Rectangle

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



68, 12.968, 77.076



68, 12.968, 127.076



68, 12.968, 257.076



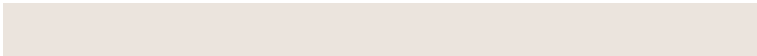
68, 12.968, 307.076

Sweetspot

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



68, 12.969, 77.086



91, 4.559, 78.853



63, 17.225, 347.322



48, 3.026, 78.782



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 12.969, 77.086



85, 19.754, 76.459



72, 19.941, 109.634



36, 3.469, 78.481



43, 57.241, 64.622



5, 7.695, 67.492

Inverse Universe

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



65, 12.458, 262.672



81, 18.771, 263.530



61, 20.901, 293.653



36, 3.416, 260.962



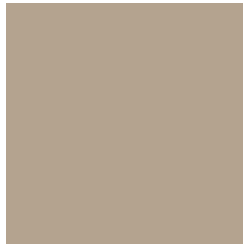
31, 52.630, 287.126



3, 9.118, 269.171

Previews

White Background



This preview shows how the CIELCh color 68, 12.968, 77.076 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, 12.968, 77.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

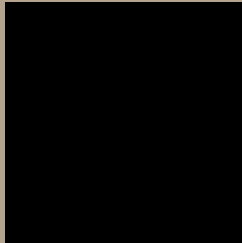
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 12.968, 77.076

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.968, 77.076.



This preview shows how white text looks on a background with the CIELCh color 68, 12.968, 77.076.

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, 12.968, 77.076

Protanopia

68, 12.060, 91.584

Deuteranopia

68, 15.104, 55.503



Tritanopia
68, 11.911, 343.682

Trichromacy



Original Color
68, 12.968, 77.076

Protanomaly
68, 11.986, 85.336

Deuteranomaly
68, 13.830, 62.153

Tritanomaly
68, 8.561, 16.473

Monochromacy



Original Color
68, 12.968, 77.076

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.473, 78.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.968, 77.076 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(180, 163, 143)` looks like.

```
.text, #text, p{  
    color:rgb(180, 163, 143)  
}
```

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(180, 163, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 163, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.968, 77.076 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(180, 163, 143) }
```

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

```
.border{ border-color:rgb(180, 163, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 163, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 163, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 163, 143);  
box-shadow:4px 4px 4px 4px rgb(180, 163,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.968, 77.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 163, 143) }
```

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

```
.background{ background-color: rgb(180,  
163, 143) }
```

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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