

Converting Colors

CIELCh(68, 14.086, 73.789)

Have a look what the booklet for
CIELCh(68, 14.086, 73.789) contains.

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Color

CIELCh(68, 14.128, 73.943)

Conversions

Conversions Part 1

Format	Color
Hex	B7A38E
RGB	183, 163, 142
RGB Percent	72%, 64%, 56%
CMY	0.2843, 0.3626, 0.4450
CMYK	0.00, 0.11, 0.22, 0.28
HSL	31°, 22%, 64%
HSV	31°, 22%, 72%
XYZ	37.2725, 37.9720, 30.7734
YIQ	166.5860, 18.6610, -2.2910

Conversions

Conversions Part 2

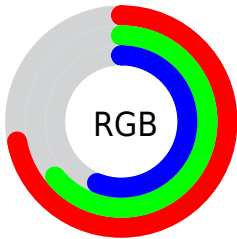
Format	Color
RYB	181, 183, 142
Decimal	12034958
CIELab	68.00, 3.91, 13.58
CIElCh	68, 14.128, 73.943
Yxy	37.9720, 0.3516, 0.3582
Android (android.graphics.Color)	4290225038 (0xFFB7A38E)
YUV	166.5860, -12.1209, 14.3951
Hunter-Lab	61.6215, 0.1304, 13.5259

Details

The CIELCh color $68, 14.128, 73.943$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 13.376, 260.027$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 13.960, 74.393$, and $48, 14.043, 71.925$ is the 20% darker color. If you saturate the color by 10%, you get $65, 20.886, 72.693$, and if you desaturate by 10%, it is $71, 7.662, 75.181$.

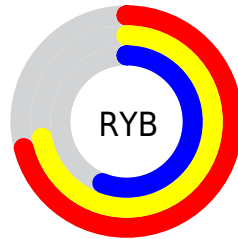
Distribution



Red (72%)

Green (64%)

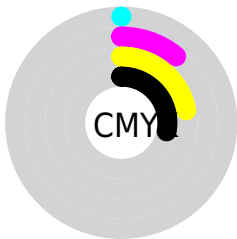
Blue (56%)



Red (71%)

Yellow (72%)

Blue (56%)

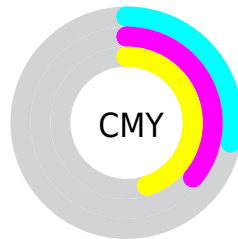


Cyan (0%)

Magenta (11%)

Yellow (22%)

Black (28%)



Cyan (28%)

Magenta (36%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 14.128, 73.943 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, 14.128, 73.943 by changing the saturation by 10% instead.

 68, 14.128, 73.943

 68, 14.128, 73.943

 100, 14.128,
73.943

 58, 14.128, 73.943

 88, 14.128, 73.943

 48, 14.128, 73.943

 98, 14.128, 73.943

 38, 14.128, 73.943

 28, 14.128, 73.943

 18, 14.128, 73.943

 8, 14.128, 73.943

 0, 14.128, 73.943

 68, 14.128, 73.943

 68, 14.128, 73.943

 65, 20.886, 72.693

 71, 7.662, 75.181

63, 27.933, 71.416

74, 1.471, 76.222

60, 35.238, 70.120

76, 4.468, 257.719

58, 42.701, 68.782

79, 10.180,
258.834

55, 50.099, 67.347

82, 15.688,
259.939

53, 56.983, 65.681

51, 62.592, 63.529

85, 21.015,
261.006

49, 65.974, 61.653

87, 20.373,
249.892

90, 19.424,
233.455

92, 20.085,
216.968

Harmonies

Complementary

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



68, 14.128, 73.943



66, 13.376, 260.027

Rectangle

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



68, 14.128, 73.943



68, 14.128, 123.943



68, 14.128, 253.943



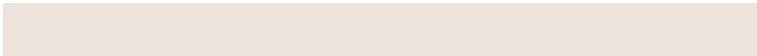
68, 14.128, 303.943

Sweetspot

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



68, 14.128, 73.953



91, 5.265, 75.804



63, 19.455, 345.617



49, 3.454, 75.737



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 14.128, 73.953



85, 21.259, 73.325



73, 21.996, 108.029



37, 3.479, 75.550



42, 58.498, 62.156



5, 8.799, 62.578

Inverse Universe

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



66, 13.376, 260.027



81, 19.852, 260.932



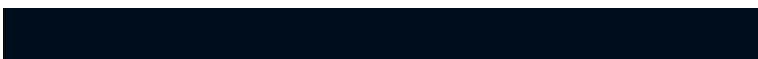
60, 23.166, 292.735



37, 3.412, 258.013



33, 50.491, 284.620



4, 10.331, 268.333

Previews

White Background



This preview shows how the CIELCh color 68, 14.128, 73.943 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, 14.128, 73.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

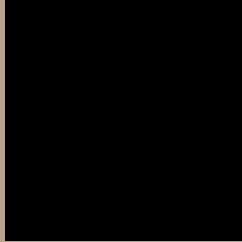
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

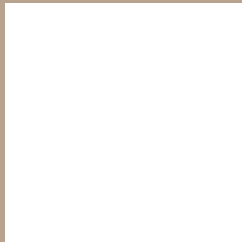
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 14.128, 73.943

Background



This preview shows how black text looks on a background with the CIELCh color 68, 14.128, 73.943.



This preview shows how white text looks on a background with the CIELCh color 68, 14.128, 73.943.

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, 14.128, 73.943

Protanopia

68, 12.586, 92.240

Deuteranopia

68, 15.822, 58.516



Tritanopia
68, 12.861, 346.917

Trichromacy



Original Color
68, 14.128, 73.943

Protanomaly
68, 13.165, 85.441

Deuteranomaly
68, 14.930, 63.975

Tritanomaly
68, 9.768, 20.248

Monochromacy



Original Color
68, 14.128, 73.943

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 5.148, 77.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 14.128, 73.943 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, 163, 142)` looks like.

```
.text, #text, p{  
    color:rgb(183, 163, 142)  
}
```

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, 163, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 163, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 14.128, 73.943 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, 163, 142) }
```

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

```
.border{ border-color:rgb(183, 163, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 163, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 163, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 163, 142);  
box-shadow:4px 4px 4px 4px rgb(183, 163,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 14.128, 73.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 163, 142) }
```

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

```
.background{ background-color: rgb(183,  
163, 142) }
```

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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