

Converting Colors

CIELCh(69, 12.489, 86.702)

Have a look what the booklet for
CIELCh(69, 12.489, 86.702) contains.

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Color

CIELCh(69, 12.451, 86.286)

Conversions

Conversions Part 1

Format	Color
Hex	B3A792
RGB	179, 167, 146
RGB Percent	70%, 65%, 57%
CMY	0.2977, 0.3447, 0.4271
CMYK	0.00, 0.07, 0.18, 0.30
HSL	38°, 18%, 64%
HSV	38°, 18%, 70%
XYZ	37.6432, 39.3444, 32.8411
YIQ	168.1940, 13.8930, -3.9870

Conversions

Conversions Part 2

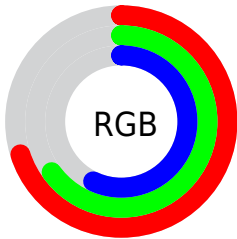
Format	Color
RYB	165, 179, 146
Decimal	11773842
CIELab	69.00, 0.81, 12.42
CIELCh	69, 12.451, 86.286
Yxy	39.3444, 0.3427, 0.3582
Android (android.graphics.Color)	4289963922 (0xFFB3A792)
YUV	168.1940, -10.9416, 9.4769
Hunter-Lab	62.7251, -2.6459, 12.8650

Details

The CIELCh color $69, 12.451, 86.286$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 12.322, 271.238$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 12.409, 86.032$, and $49, 12.653, 86.329$ is the 20% darker color. If you saturate the color by 10%, you get $67, 19.449, 84.985$, and if you desaturate by 10%, it is $71, 5.620, 87.550$.

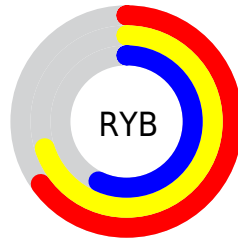
Distribution



Red (70%)

Green (65%)

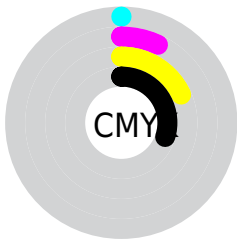
Blue (57%)



Red (65%)

Yellow (70%)

Blue (57%)

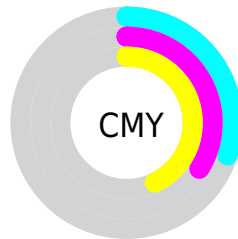


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (30%)



Cyan (30%)

Magenta (34%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 12.451, 86.286 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 69, 12.451, 86.286 by changing the saturation by 10% instead.

■ 69, 12.451, 86.286

■ 69, 12.451, 86.286

■ 100, 12.451,
86.286

■ 59, 12.451, 86.286

■ 89, 12.451, 86.286

■ 49, 12.451, 86.286

■ 99, 12.451, 86.286

■ 39, 12.451, 86.286

■ 29, 12.451, 86.286

■ 19, 12.451, 86.286

■ 9, 12.451, 86.286

■ 0, 12.451, 86.286

■ 69, 12.451, 86.286

■ 69, 12.451, 86.286

■ 67, 19.449, 84.985

■ 71, 5.620, 87.550

65, 26.590, 83.632

73, 1.045, 269.058

63, 33.825, 82.238

76, 7.549, 270.044

61, 41.040, 80.793

78, 13.904,
271.166

59, 48.016, 79.265

80, 20.121,
272.245

57, 54.357, 77.585

56, 59.433, 75.617

82, 26.213,
273.275

54, 62.776, 73.236

84, 24.339,
266.198

54, 63.292, 72.873

86, 22.276,
256.942

88, 20.880,
246.248

Harmonies

Complementary

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



69, 12.451, 86.286



65, 12.322, 271.238

Rectangle

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



69, 12.451, 86.286



69, 12.451, 136.286



69, 12.451, 266.286



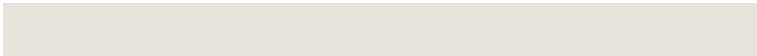
69, 12.451, 316.286

Sweetspot

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



69, 12.452, 86.296



90, 4.922, 87.824



64, 14.484, 353.268



48, 3.294, 87.750



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 12.452, 86.296



86, 18.441, 85.784



72, 17.912, 114.012



37, 3.771, 87.442



46, 56.344, 73.291



5, 8.192, 78.232

Inverse Universe

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



65, 12.322, 271.238



80, 18.198, 271.890



62, 18.655, 296.987



35, 3.758, 269.889



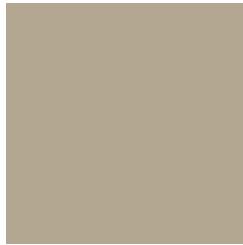
27, 62.602, 294.245



2, 9.882, 275.109

Previews

White Background



This preview shows how the CIELCh color 69, 12.451, 86.286 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 69, 12.451, 86.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

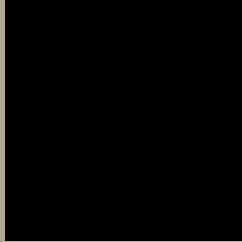
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

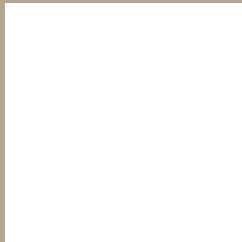
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 12.451, 86.286

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.451, 86.286.



This preview shows how white text looks on a background with the CIELCh color 69, 12.451, 86.286.

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

69, 12.451, 86.286

Protanopia

69, 11.905, 93.463

Deuteranopia

69, 14.721, 53.900



Tritanopia
69, 10.410, 337.129

Trichromacy



Original Color
69, 12.451, 86.286

Protanomaly
69, 12.019, 91.618

Deuteranomaly
69, 13.175, 64.567

Tritanomaly
69, 6.963, 15.467

Monochromacy



Original Color
69, 12.451, 86.286

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 4.628, 90.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.451, 86.286 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(179, 167, 146)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 146)  
}
```

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(179, 167, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.451, 86.286 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(179, 167, 146) }
```

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

```
.border{ border-color:rgb(179, 167, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 146);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.451, 86.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 146) }
```

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

```
.background{ background-color: rgb(179,  
167, 146) }
```

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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