

Converting Colors

CIELCh(42, 11.157, 85.023)

Have a look what the booklet for
CIELCh(42, 11.157, 85.023) contains.

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Color

CIELCh(42, 11.178, 84.998)

Conversions

Conversions Part 1

Format	Color
Hex	6C6251
RGB	108, 98, 81
RGB Percent	42%, 38%, 32%
CMY	0.5767, 0.6159, 0.6826
CMYK	0.00, 0.09, 0.25, 0.58
HSL	38°, 14%, 37%
HSV	38°, 25%, 42%
XYZ	12.0204, 12.5000, 9.5512
YIQ	99.0520, 11.4170, -3.1670

Conversions

Conversions Part 2

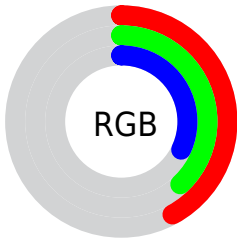
Format	Color
RYB	97, 108, 81
Decimal	7103057
CIELab	42.00, 0.97, 11.14
CIElCh	42, 11.178, 84.998
Yxy	12.5000, 0.3528, 0.3669
Android (android.graphics.Color)	4285293137 (0xFF6C6251)
YUV	99.0520, -8.8996, 7.8474
Hunter-Lab	35.3553, -1.1841, 8.7317

Details

The CIELCh color **42, 11.178, 84.998** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 10.997, 271.581**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 11.527, 86.005**, and **22, 11.461, 86.646** is the 20% darker color. If you saturate the color by 10%, you get **41, 15.835, 83.732**, and if you desaturate by 10%, it is **43, 6.625, 86.239**.

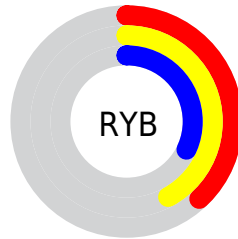
Distribution



Red (42%)

Green (38%)

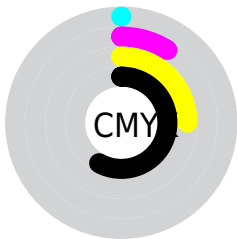
Blue (32%)



Red (38%)

Yellow (42%)

Blue (32%)

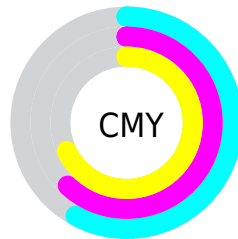


Cyan (0%)

Magenta (9%)

Yellow (25%)

Black (58%)



Cyan (58%)













Magenta (62%)







Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 11.178, 84.998 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 42, 11.178, 84.998 by changing the saturation by 10% instead.

 42, 11.178, 84.998	 42, 11.178, 84.998
 100, 11.178, 84.998	 32, 11.178, 84.998
 62, 11.178, 84.998	 22, 11.178, 84.998
 72, 11.178, 84.998	 12, 11.178, 84.998
 82, 11.178, 84.998	 2, 11.178, 84.998
 92, 11.178, 84.998	 0, 11.178, 84.998

 42, 11.178, 84.998	 42, 11.178, 84.998
 41, 15.835, 83.732	 43, 6.625, 86.239
 39, 20.576, 82.422	 45, 2.181, 87.392

■ 38, 25.356, 81.071

■ 46, 2.156, 268.714

■ 37, 30.088, 79.666

■ 48, 6.391, 269.782

■ 35, 34.605, 78.166

■ 49, 10.533,
270.847

■ 34, 38.626, 76.493

■ 51, 14.588,
271.870

■ 33, 41.935, 74.605

■ 33, 43.808, 73.830

■ 52, 18.563,
272.848

■ 54, 22.467,
273.779

■ 56, 26.305,
274.664

Harmonies

Complementary

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



42, 11.178, 84.998



38, 10.997, 271.581

Rectangle

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



42, 11.178, 84.998



42, 11.178, 134.998



42, 11.178, 264.998



42, 11.178, 314.998

Sweetspot

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



42, 11.179, 85.006



57, 4.338, 87.040



38, 13.198, 352.804



29, 3.112, 86.899



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 11.179, 85.006



53, 16.740, 84.271



45, 16.005, 112.890



22, 2.445, 86.956



35, 46.482, 73.522



71, 80.067, 71.554

Inverse Universe

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



38, 10.997, 271.581



48, 16.399, 272.597



36, 16.895, 296.961



21, 2.436, 269.212



20, 49.695, 292.777



44, 90.930, 295.092

Previews

White Background



This preview shows how the CIELCh color 42, 11.178, 84.998 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 11.178, 84.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

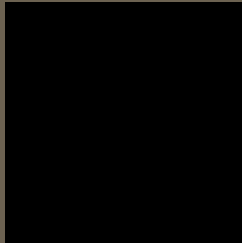
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 11.178, 84.998

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.178, 84.998.

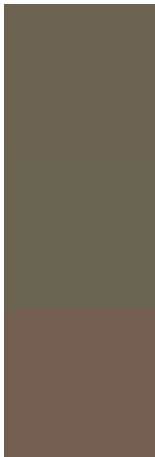


This preview shows how white text looks on a background with the CIELCh color 42, 11.178, 84.998.

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

42, 11.178, 84.998

Protanopia

42, 11.136, 94.640

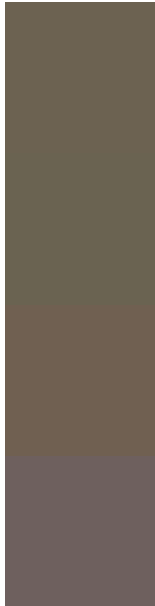
Deuteranopia

42, 12.461, 62.371



Tritanopia
42, 7.927, 348.361

Trichromacy



Original Color

42, 11.178, 84.998

Protanomaly

42, 11.254, 92.418

Deuteranomaly

42, 11.622, 70.460

Tritanomaly

42, 6.145, 31.368

Monochromacy



Original Color

42, 11.178, 84.998

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 4.395, 92.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.178, 84.998 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(108, 98, 81)` looks like.

```
.text, #text, p{  
    color:rgb(108, 98, 81)  
}
```

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(108, 98, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 98, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.178, 84.998 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(108, 98, 81) }
```

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

```
.border{ border-color:rgb(108, 98, 81) }
```

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

Here you see how a box with a 4 pixel rgb(108, 98, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 98, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 98, 81);  
box-shadow:4px 4px 4px 4px rgb(108, 98,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.178, 84.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 98, 81) }
```

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

```
.background{ background-color: rgb(108, 98,  
81) }
```

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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