

Converting Colors

CIELCh(79, 37.546, 105.975)

Have a look what the booklet for
CIELCh(79, 37.546, 105.975)
contains.

CIELCh(79, 37.173, 105.487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 37.173, 105.487)

Conversions

Conversions Part 1

Format	Color
Hex	C9C780
RGB	201, 199, 128
RGB Percent	79%, 78%, 50%
CMY	0.2111, 0.2189, 0.4974
CMYK	0.00, 0.01, 0.36, 0.21
HSL	58°, 40%, 65%
HSV	58°, 36%, 79%
XYZ	48.5025, 54.9284, 28.5228
YIQ	191.5040, 23.9830, -21.6570

Conversions

Conversions Part 2

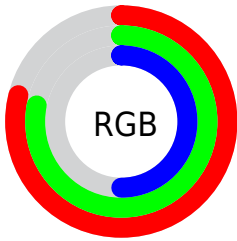
Format	Color
RYB	130, 201, 128
Decimal	13223808
CIELab	79.00, -9.93, 35.82
CIElCh	79, 37.173, 105.487
Yxy	54.9284, 0.3676, 0.4163
Android (android.graphics.Color)	4291413888 (0xFFC9C780)
YUV	191.5040, -31.3075, 8.3280
Hunter-Lab	74.1137, -12.8825, 29.0617

Details

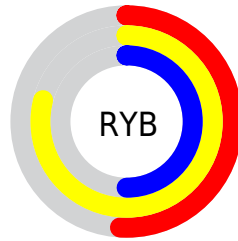
The CIELCh color $79, 37.173, 105.487$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $57, 40.532, 293.850$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $98, 36.662, 107.383$, and $59, 37.295, 105.146$ is the 20% darker color. If you saturate the color by 10%, you get $79, 46.897, 104.536$, and if you desaturate by 10%, it is $79, 27.113, 106.474$.

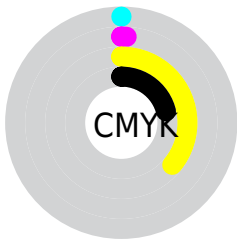
Distribution



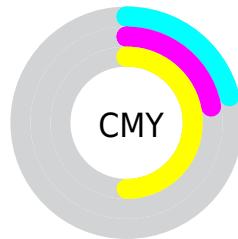
- Red (79%)
- Green (78%)
- Blue (50%)



- Red (51%)
- Yellow (79%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (21%)




- Cyan (21%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 37.173, 105.487 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 79, 37.173, 105.487 by changing the saturation by 10% instead.

 79, 37.173,
105.487

 79, 37.173,
105.487


 100, 37.173,
105.487


 69, 37.173,
105.487

 99, 37.173,
105.487

 59, 37.173,
105.487

 49, 37.173,
105.487

 39, 37.173,
105.487

 29, 37.173,
105.487

 19, 37.173,
105.487

 9, 37.173, 105.487

0, 37.173, 105.487

79, 37.173,
105.487

79, 37.173,
105.487

79, 46.897,
104.536

79, 27.113,
106.474

78, 56.048,
103.636

80, 16.863,
107.465

78, 64.278,
102.822

81, 6.519, 108.446

78, 71.118,
102.128

81, 3.858, 289.446

77, 76.047,
101.586

82, 14.228,
290.374

77, 78.738,
101.211

83, 24.567,
291.279

83, 27.500,

■ 77, 79.426,
101.094

291.262

■ 83, 27.198,
290.842

■ 83, 26.897,
290.414

Harmonies

Complementary

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



79, 37.173, 105.487



57, 40.532, 293.850

Rectangle

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



79, 37.173, 105.487



79, 37.173, 155.487



79, 37.173, 285.487



79, 37.173, 335.487

Sweetspot

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



79, 37.174, 105.490



99, 13.813, 107.972



61, 30.417, 20.233



53, 9.280, 107.837



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 37.174, 105.490



97, 54.155, 104.693



77, 40.668, 126.169



42, 5.821, 108.146



64, 68.021, 101.121



13, 19.661, 104.528

Inverse Universe

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



57, 40.532, 293.850



65, 60.621, 295.381



59, 42.997, 309.780



38, 5.943, 290.056



19, 94.502, 305.904



1, 21.092, 291.055

Previews

White Background



This preview shows how the CIELCh color 79, 37.173, 105.487 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 CIE LCh color 79, 37.173, 105.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

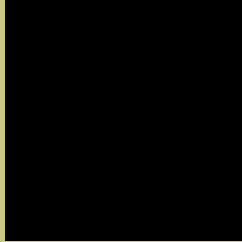
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 37.173, 105.487

Background



This preview shows how black text looks on a background with the CIELCh color 79, 37.173, 105.487.



This preview shows how white text looks on a background with the CIELCh color 79, 37.173, 105.487.

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
79, 37.173, 105.487

Protanopia
79, 36.590, 95.023

Deuteranopia
79, 36.095, 74.214



Tritanopia
79, 10.885, 332.927

Trichromacy



Original Color
79, 37.173, 105.487

Protanomaly
79, 37.075, 99.058

Deuteranomaly
79, 34.943, 85.385

Tritanomaly
79, 10.071, 77.092

Monochromacy



Original Color
79, 37.173, 105.487

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 13.831, 108.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 37.173, 105.487 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(201, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 199, 128)  
}
```

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(201, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 199, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 37.173, 105.487 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(201, 199, 128) }
```

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

```
.border{ border-color:rgb(201, 199, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 199,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 37.173, 105.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 199, 128) }
```

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

```
.background{ background-color: rgb(201,  
199, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor