

Converting Colors

CIELCh(77, 33.354, 134.312)

Have a look what the booklet for
CIELCh(77, 33.354, 134.312)
contains.

CIELCh(77, 33.354, 134.312)	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(77, 33.354, 134.312)

Conversions

Conversions Part 1

Format	Color
Hex	A2C991
RGB	162, 201, 145
RGB Percent	64%, 79%, 57%
CMY	0.3645, 0.2115, 0.4312
CMYK	0.19, 0.00, 0.28, 0.21
HSL	102°, 34%, 68%
HSV	102°, 28%, 79%
XYZ	40.9255, 51.5317, 34.5989
YIQ	182.9550, -5.2680, -25.6840

Conversions

Conversions Part 2

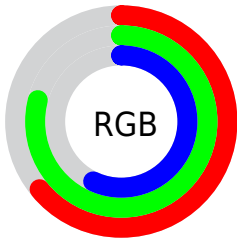
Format	Color
RYB	145, 201, 184
Decimal	10668433
CIELab	77.00, -23.30, 23.87
CIELCh	77, 33.354, 134.312
Yxy	51.5317, 0.3221, 0.4056
Android (android.graphics.Color)	4288858513 (0xFFA2C991)
YUV	182.9550, -18.7118, -18.3775
Hunter-Lab	71.7856, -23.8608, 21.6736

Details

The CIELCh color **77, 33.354, 134.312** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 34.065, 316.807**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 31.733, 134.047**, and **57, 33.584, 134.528** is the 20% darker color. If you saturate the color by 10%, you get **76, 45.172, 133.765**, and if you desaturate by 10%, it is **78, 21.373, 134.830**.

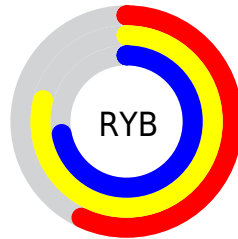
Distribution



Red (64%)

Green (79%)

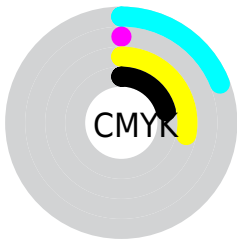
Blue (57%)



Red (57%)

Yellow (79%)

Blue (72%)

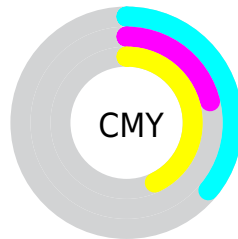


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (21%)



Cyan (36%)


Magenta (21%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.354, 134.312 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 77, 33.354, 134.312 by changing the saturation by 10% instead.


 77, 33.354,
134.312


 77, 33.354,
134.312


 100, 33.354,
134.312


 67, 33.354,
134.312


 97, 33.354,
134.312

 57, 33.354,
134.312

 47, 33.354,
134.312

 37, 33.354,
134.312

 27, 33.354,
134.312

 17, 33.354,
134.312

 7, 33.354, 134.312

■ 0, 33.354, 134.312

■ 77, 33.354,
134.312

■ 77, 33.354,
134.312

■ 76, 45.172,
133.765

■ 78, 21.373,
134.830

■ 75, 56.622,
133.212

■ 80, 9.368, 135.309

■ 74, 67.426,
132.703

■ 81, 2.556, 315.637

■ 83, 14.327,
316.062

■ 73, 77.204,
132.319

■ 85, 25.893,
316.389

■ 72, 85.474,
132.175

■ 86, 32.315,
320.800

■ 72, 91.731,
132.397

■ 87, 33.831,

■ 71, 95.759,
133.028

325.601

■ 71, 96.480,
133.159

Harmonies

Complementary

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



77, 33.354, 134.312



66, 34.065, 316.807

Rectangle

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



77, 33.354, 134.312



77, 33.354, 184.312



77, 33.354, 314.312



77, 33.354, 4.312

Sweetspot

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



77, 33.356, 134.313



98, 11.573, 135.296



75, 21.784, 88.902



52, 8.231, 135.225



0, 0.000, 0.000



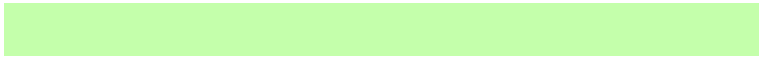
53, 0.007, 296.813

Same Dimension

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



77, 33.356, 134.313



94, 47.857, 134.008



76, 32.271, 147.902



41, 6.709, 135.237



59, 82.440, 132.964



11, 24.433, 137.364

Inverse Universe

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



66, 34.065, 316.807



78, 49.080, 317.049



67, 32.389, 331.695



39, 6.764, 315.995



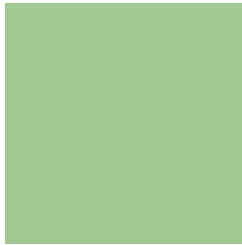
30, 85.766, 317.341



3, 23.515, 313.798

Previews

White Background



This preview shows how the CIELCh color 77, 33.354, 134.312 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 77, 33.354, 134.312 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 77, 33.354, 134.312

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.354, 134.312.



This preview shows how white text looks on a background with the CIELCh color 77, 33.354, 134.312.

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
77, 33.354, 134.312

Protanopia
77, 26.719, 95.344

Deuteranopia
77, 24.289, 66.256



Tritanopia
77, 10.699, 248.097

Trichromacy



Original Color
77, 33.354, 134.312

Protanomaly
77, 27.125, 111.881

Deuteranomaly
77, 22.315, 96.659

Tritanomaly
77, 11.842, 168.593

Monochromacy



Original Color
77, 33.354, 134.312

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 12.673, 135.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.354, 134.312 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(162, 201, 145)` looks like.

```
.text, #text, p{  
    color:rgb(162, 201, 145)  
}
```

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(162, 201, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 201, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.354, 134.312 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(162, 201, 145) }
```

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

```
.border{ border-color:rgb(162, 201, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 201, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 201, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 201, 145);  
box-shadow:4px 4px 4px 4px rgb(162, 201,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.354, 134.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 201, 145) }
```

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

```
.background{ background-color: rgb(162,  
201, 145) }
```

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