

Converting Colors

CIELCh(73, 35.226, 136.293)

Have a look what the booklet for
CIELCh(73, 35.226, 136.293)
contains.

CIELCh(73, 35.062, 136.454)	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(73, 35.062, 136.454)

Conversions

Conversions Part 1

Format	Color
Hex	93BF86
RGB	147, 191, 134
RGB Percent	58%, 75%, 53%
CMY	0.4237, 0.2511, 0.4746
CMYK	0.23, 0.00, 0.30, 0.25
HSL	106°, 31%, 64%
HSV	106°, 30%, 75%
XYZ	34.9487, 45.1644, 29.4166
YIQ	171.3460, -7.9270, -27.0550

Conversions

Conversions Part 2

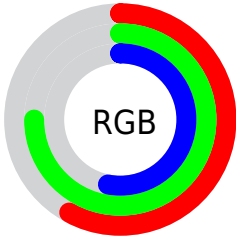
Format	Color
RYB	134, 191, 178
Decimal	9682822
CIELab	73.00, -25.41, 24.16
CIELCh	73, 35.062, 136.454
Yxy	45.1644, 0.3191, 0.4123
Android (android.graphics.Color)	4287872902 (0xFF93BF86)
YUV	171.3460, -18.4116, -21.3514
Hunter-Lab	67.2044, -24.7815, 21.0908

Details

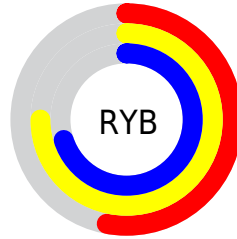
The CIELCh color **73, 35.062, 136.454** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62, 35.621, 319.258**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.099, 136.606**, and **53, 34.775, 136.543** is the 20% darker color. If you saturate the color by 10%, you get **72, 46.610, 135.839**, and if you desaturate by 10%, it is **74, 23.315, 137.025**.

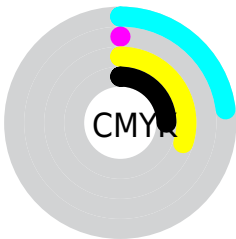
Distribution



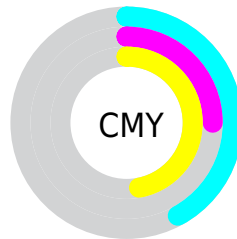
- Red (58%)
- Green (75%)
- Blue (53%)



- Red (53%)
- Yellow (75%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (42%)
- Magenta (25%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 35.062, 136.454 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 73, 35.062, 136.454 by changing the saturation by 10% instead.


 73, 35.062,
136.454


 73, 35.062,
136.454


 100, 35.062,
136.454


 63, 35.062,
136.454


 93, 35.062,
136.454

 53, 35.062,
136.454

 43, 35.062,
136.454

 33, 35.062,
136.454

 23, 35.062,
136.454

 13, 35.062,
136.454

 3, 35.062, 136.454

0, 35.062, 136.454

73, 35.062,
136.454

73, 35.062,
136.454

72, 46.610,
135.839

74, 23.315,
137.025

71, 57.732,
135.202

76, 11.526,
137.542

70, 68.129,
134.594

77, 0.186, 316.928

69, 77.402,
134.099

79, 11.738,
318.347

69, 85.066,
133.834

81, 23.073,
318.691

68, 90.642,
133.923

83, 34.154,
318.983

■ 68, 94.160,
134.316

■ 84, 39.330,
323.651

■ 68, 94.207,
134.320

■ 85, 40.154,
325.818

Harmonies

Complementary

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



73, 35.062, 136.454



62, 35.621, 319.258

Rectangle

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



73, 35.062, 136.454



73, 35.062, 186.454



73, 35.062, 316.454



73, 35.062, 6.454

Sweetspot

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



73, 35.064, 136.455



96, 12.991, 137.577



73, 24.190, 94.763



51, 9.108, 137.504



99, 0.012, 296.813



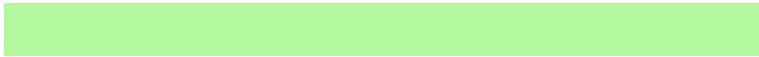
52, 0.007, 296.813

Same Dimension

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



73, 35.064, 136.455



91, 52.056, 136.045



73, 31.154, 150.632



39, 6.567, 137.567



57, 81.759, 134.170



9, 20.511, 139.876

Inverse Universe

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



62, 35.621, 319.258



75, 53.049, 319.541



63, 31.408, 335.027



37, 6.608, 318.350



31, 82.707, 319.826



3, 19.376, 315.543

Previews

White Background



This preview shows how the CIELCh color 73, 35.062, 136.454 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 73, 35.062, 136.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

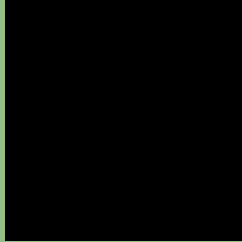
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 35.062, 136.454

Background



This preview shows how black text looks on a background with the CIELCh color 73, 35.062, 136.454.

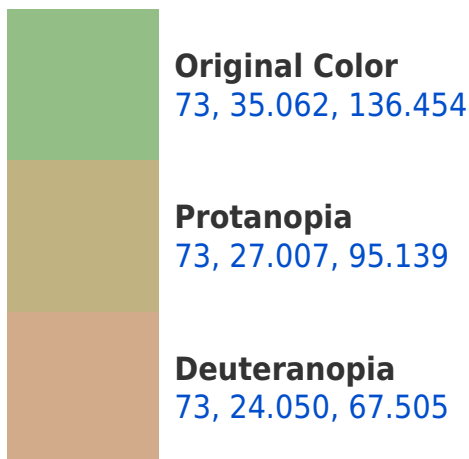


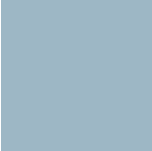
This preview shows how white text looks on a background with the CIELCh color 73, 35.062, 136.454.

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





Tritanopia
73, 11.609, 239.974

Trichromacy



Original Color
73, 35.062, 136.454

Protanomaly
73, 27.976, 113.299

Deuteranomaly
72, 22.341, 99.586

Tritanomaly
73, 13.783, 170.085

Monochromacy



Original Color
73, 35.062, 136.454

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 12.534, 138.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 35.062, 136.454 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(147, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(147, 191, 134)  
}
```

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(147, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 191, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 35.062, 136.454 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(147, 191, 134) }
```

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

```
.border{ border-color:rgb(147, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(147, 191,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 35.062, 136.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 191, 134) }
```

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

```
.background{ background-color: rgb(147,  
191, 134) }
```

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