

Converting Colors

CIELCh(73, 36.069, 137.516)

Have a look what the booklet for
CIELCh(73, 36.069, 137.516)
contains.

CIELCh(73, 36.069, 137.516)	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, 36.069, 137.516)

Conversions

Conversions Part 1

Format	Color
Hex	91C086
RGB	145, 192, 134
RGB Percent	57%, 75%, 53%
CMY	0.4333, 0.2490, 0.4763
CMYK	0.25, 0.00, 0.30, 0.25
HSL	109°, 31%, 64%
HSV	109°, 30%, 75%
XYZ	34.6027, 45.1644, 29.2770
YIQ	171.3350, -9.3940, -28.0020

Conversions

Conversions Part 2

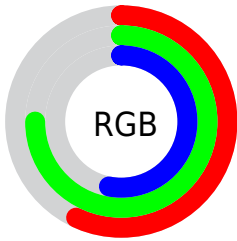
Format	Color
RYB	134, 192, 181
Decimal	9552006
CIELab	73.00, -26.60, 24.36
CIELCh	73, 36.069, 137.516
Yxy	45.1644, 0.3173, 0.4142
Android (android.graphics.Color)	4287742086 (0xFF91C086)
YUV	171.3350, -18.4062, -23.0958
Hunter-Lab	67.2044, -25.7005, 21.2140

Details

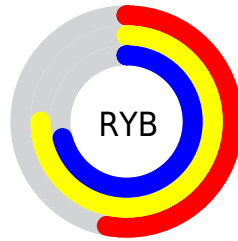
The CIELCh color **73, 36.069, 137.516** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62, 36.534, 320.463**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.065, 137.645**, and **53, 35.827, 137.608** is the 20% darker color. If you saturate the color by 10%, you get **72, 47.764, 136.857**, and if you desaturate by 10%, it is **74, 24.156, 138.121**.

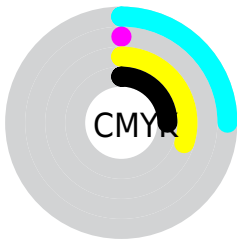
Distribution



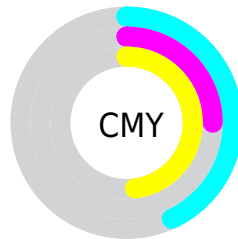
- Red (57%)
- Green (75%)
- Blue (53%)



- Red (53%)
- Yellow (75%)
- Blue (71%)



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





- Cyan (43%)
- Magenta (25%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 36.069, 137.516 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, 36.069, 137.516 by changing the saturation by 10% instead.


 73, 36.069,
137.516


 73, 36.069,
137.516


 100, 36.069,
137.516


 63, 36.069,
137.516


 93, 36.069,
137.516

 53, 36.069,
137.516

 43, 36.069,
137.516

 33, 36.069,
137.516

 23, 36.069,
137.516

 13, 36.069,
137.516

 3, 36.069, 137.516

0, 36.069, 137.516

73, 36.069,
137.516

73, 36.069,
137.516

72, 47.764,
136.857

74, 24.156,
138.121

71, 58.999,
136.164

76, 12.194,
138.663

70, 69.458,
135.489

77, 0.312, 139.768

69, 78.727,
134.914

79, 11.400,
319.499

69, 86.309,
134.557

81, 22.882,
319.855

68, 91.729,
134.543

83, 34.092,
320.154

■ 68, 94.993,
134.797

■ 85, 39.499,
324.989

■ 85, 39.817,
325.806

Harmonies

Complementary

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



73, 36.069, 137.516



62, 36.534, 320.463

Rectangle

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



73, 36.069, 137.516



73, 36.069, 187.516



73, 36.069, 317.516



73, 36.069, 7.516

Sweetspot

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



73, 36.071, 137.517



96, 13.254, 138.721



73, 25.379, 96.889



51, 9.216, 138.645



99, 0.012, 296.813



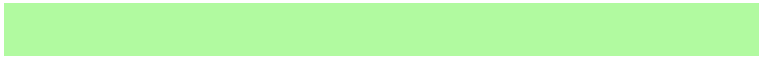
52, 0.007, 296.813

Same Dimension

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



73, 36.071, 137.517



92, 53.122, 137.106



73, 30.871, 151.851



40, 6.792, 138.709



58, 83.271, 134.677



10, 23.082, 140.391

Inverse Universe

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



62, 36.534, 320.463



76, 53.917, 320.732



63, 31.203, 336.461



38, 6.828, 319.520



33, 83.216, 321.146



3, 22.083, 317.935

Previews

White Background



This preview shows how the CIELCh color 73, 36.069, 137.516 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, 36.069, 137.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

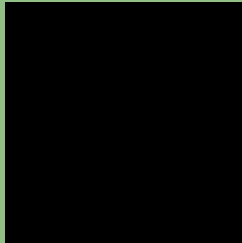
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 36.069, 137.516

Background



This preview shows how black text looks on a background with the CIELCh color 73, 36.069, 137.516.



This preview shows how white text looks on a background with the CIELCh color 73, 36.069, 137.516.

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](#).

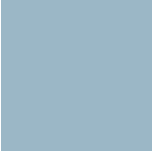
Dichromacy



Original Color
73, 36.069, 137.516

Protanopia
73, 27.526, 95.304

Deuteranopia
73, 24.050, 67.505



Tritanopia
73, 12.427, 240.007

Trichromacy



Original Color
73, 36.069, 137.516

Protanomaly
73, 28.545, 113.955

Deuteranomaly
72, 22.870, 99.714

Tritanomaly
73, 14.129, 173.236

Monochromacy



Original Color
73, 36.069, 137.516

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 13.202, 138.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 36.069, 137.516 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(145, 192, 134)` looks like.

```
.text, #text, p{  
    color:rgb(145, 192, 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(145, 192, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 192, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 36.069, 137.516 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(145, 192, 134) }
```

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

```
.border{ border-color:rgb(145, 192, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 192, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 192, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 192, 134);  
box-shadow:4px 4px 4px 4px rgb(145, 192,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 36.069, 137.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 192, 134) }
```

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

```
.background{ background-color: rgb(145,  
192, 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