

Converting Colors

CIELCh(73, 47.760, 136.504)

Have a look what the booklet for
CIELCh(73, 47.760, 136.504)
contains.

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Color

CIELCh(73, 47.920, 136.452)

Conversions

Conversions Part 1

Format	Color
Hex	85C375
RGB	133, 195, 117
RGB Percent	52%, 76%, 46%
CMY	0.4794, 0.2363, 0.5421
CMYK	0.32, 0.00, 0.40, 0.24
HSL	108°, 39%, 61%
HSV	108°, 40%, 76%
XYZ	32.2915, 45.1644, 23.7744
YIQ	167.5700, -11.9140, -37.4020

Conversions

Conversions Part 2

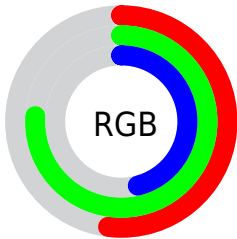
Format	Color
RYB	117, 195, 179
Decimal	8766325
CIELab	73.00, -34.73, 33.02
CIELCh	73, 47.920, 136.452
Yxy	45.1644, 0.3190, 0.4462
Android (android.graphics.Color)	4286956405 (0xFF85C375)
YUV	167.5700, -24.9310, -30.3179
Hunter-Lab	67.2044, -31.8392, 26.0686

Details

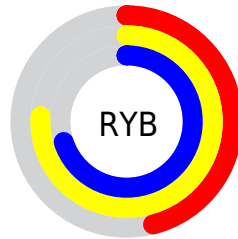
The CIELCh color $73, 47.920, 136.452$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $58, 48.774, 320.395$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 47.966, 136.500$, and $53, 48.111, 136.439$ is the 20% darker color. If you saturate the color by 10%, you get $72, 59.277, 135.783$, and if you desaturate by 10%, it is $74, 36.115, 137.095$.

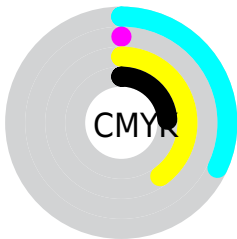
Distribution



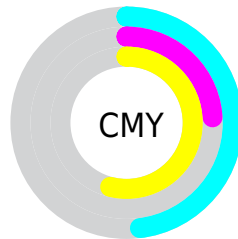
- Red (52%)
- Green (76%)
- Blue (46%)



- Red (46%)
- Yellow (76%)
- Blue (70%)



- Cyan (32%)
- Magenta (0%)
- Yellow (40%)
- Black (24%)





- Cyan (48%)
- Magenta (24%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 47.920, 136.452 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, 47.920, 136.452 by changing the saturation by 10% instead.


 73, 47.920,
136.452


 73, 47.920,
136.452


 100, 47.920,
136.452


 63, 47.920,
136.452


 93, 47.920,
136.452

 53, 47.920,
136.452

 43, 47.920,
136.452

 33, 47.920,
136.452

 23, 47.920,
136.452

 13, 47.920,
136.452

 3, 47.920, 136.452

0, 47.920, 136.452

73, 47.920,
136.452

73, 47.920,
136.452

72, 59.277,
135.783

74, 36.115,
137.095

71, 69.866,
135.135

76, 24.093,
137.685

70, 79.273,
134.593

77, 12.027,
138.217

70, 86.997,
134.275

79, 0.041, 143.647

69, 92.554,
134.305

80, 11.776,
319.040

69, 95.980,
134.627

82, 23.364,
319.391

■ 84, 34.684,
319.687

■ 86, 37.784,
325.737

Harmonies

Complementary

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



73, 47.920, 136.452



58, 48.774, 320.395

Rectangle

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



73, 47.920, 136.452



73, 47.920, 186.452



73, 47.920, 316.452



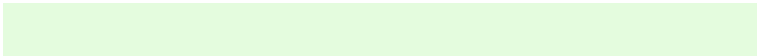
73, 47.920, 6.452

Sweetspot

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



73, 47.921, 136.453



97, 17.762, 138.108



73, 33.522, 94.606



52, 11.885, 138.038



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 47.921, 136.453



91, 70.313, 135.870



73, 41.675, 150.178



40, 6.760, 138.252



58, 83.067, 134.489



10, 22.988, 140.070

Inverse Universe

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



58, 48.774, 320.395



69, 71.721, 320.718



59, 42.069, 336.537



38, 6.798, 319.052



32, 83.400, 320.604



3, 21.944, 317.248

Previews

White Background



This preview shows how the CIELCh color 73, 47.920, 136.452 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 73, 47.920, 136.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

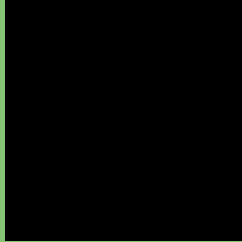
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 47.920, 136.452

Background



This preview shows how black text looks on a background with the CIELCh color 73, 47.920, 136.452.

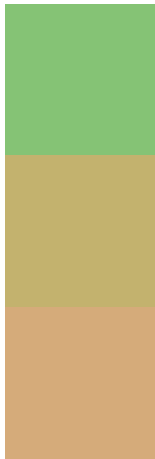


This preview shows how white text looks on a background with the CIELCh color 73, 47.920, 136.452.

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, 47.920, 136.452

Protanopia
73, 37.043, 95.263

Deuteranopia
73, 32.286, 73.913



Tritanopia
73, 14.966, 231.747

Trichromacy



Original Color
73, 47.920, 136.452

Protanomaly
72, 38.474, 113.908

Deuteranomaly
72, 32.115, 104.019

Tritanomaly
73, 20.028, 166.819

Monochromacy



Original Color
73, 47.920, 136.452

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 17.523, 137.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 47.920, 136.452 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(133, 195, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 117)  
}
```

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(133, 195, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 47.920, 136.452 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(133, 195, 117) }
```

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

```
.border{ border-color:rgb(133, 195, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 47.920, 136.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 117) }
```

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

```
.background{ background-color: rgb(133,  
195, 117) }
```

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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