

Converting Colors

CIELCh(73, 53.795, 136.140)

Have a look what the booklet for
CIELCh(73, 53.795, 136.140)
contains.

CIELCh(73, 53.795, 136.140)	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, 53.795, 136.140)

Conversions

Conversions Part 1

Format	Color
Hex	7EC46C
RGB	126, 196, 108
RGB Percent	49%, 77%, 42%
CMY	0.5047, 0.2302, 0.5754
CMYK	0.36, 0.00, 0.45, 0.23
HSL	108°, 43%, 60%
HSV	108°, 45%, 77%
XYZ	31.1784, 45.1644, 21.3400
YIQ	165.0380, -13.4720, -42.2080

Conversions

Conversions Part 2

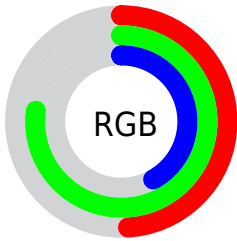
Format	Color
RYB	108, 196, 178
Decimal	8307820
CIELab	73.00, -38.79, 37.27
CIELCh	73, 53.795, 136.140
Yxy	45.1644, 0.3192, 0.4624
Android (android.graphics.Color)	4286497900 (0xFF7EC46C)
YUV	165.0380, -28.1197, -34.2363
Hunter-Lab	67.2044, -34.7957, 28.2162

Details

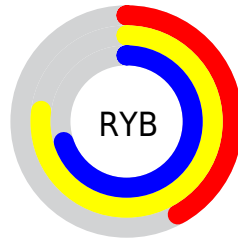
The CIELCh color **73, 53.795, 136.140** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 54.825, 320.592**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 53.719, 136.315**, and **53, 54.049, 136.183** is the 20% darker color. If you saturate the color by 10%, you get **72, 64.899, 135.472**, and if you desaturate by 10%, it is **74, 42.097, 136.802**.

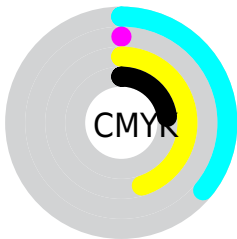
Distribution



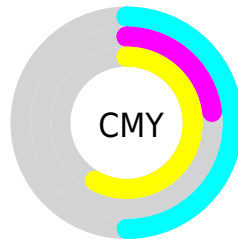
- Red (49%)
- Green (77%)
- Blue (42%)



- Red (42%)
- Yellow (77%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (23%)





- Cyan (50%)
- Magenta (23%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 53.795, 136.140 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, 53.795, 136.140 by changing the saturation by 10% instead.


 73, 53.795,
136.140


 73, 53.795,
136.140


 100, 53.795,
136.140


 63, 53.795,
136.140


 93, 53.795,
136.140

 53, 53.795,
136.140

 43, 53.795,
136.140

 33, 53.795,
136.140

 23, 53.795,
136.140

 13, 53.795,
136.140

 3, 53.795, 136.140

■ 0, 53.795, 136.140

■ 73, 53.795,
136.140

■ 73, 53.795,
136.140

■ 72, 64.899,
135.472

■ 74, 42.097,
136.802

■ 71, 75.041,
134.862

■ 75, 30.075,
137.419

■ 71, 83.756,
134.411

■ 77, 17.932,
137.979

■ 70, 90.526,
134.247

■ 78, 5.815, 138.494

■ 70, 94.954,
134.472

■ 80, 6.171, 318.852

■ 70, 96.563,
134.637

■ 82, 17.952,
319.242

■ 84, 29.479,

319.563

■ 86, 36.149,
323.864

■ 86, 36.811,
325.703

Harmonies

Complementary

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



73, 53.795, 136.140



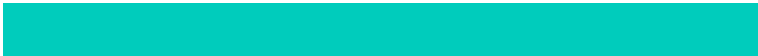
56, 54.825, 320.592

Rectangle

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



73, 53.795, 136.140



73, 53.795, 186.140



73, 53.795, 316.140



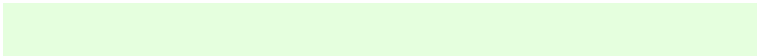
73, 53.795, 6.140

Sweetspot

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



73, 53.796, 136.141



97, 19.411, 138.066



72, 37.750, 94.001



52, 13.595, 137.947



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, 53.796, 136.141



91, 79.023, 135.472



73, 46.743, 149.614



40, 6.761, 138.263



58, 83.072, 134.494



10, 22.991, 140.078

Inverse Universe

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



56, 54.825, 320.592



67, 80.660, 320.922



58, 47.128, 336.944



38, 6.799, 319.063



32, 83.395, 320.617



3, 21.947, 317.265

Previews

White Background



This preview shows how the CIELCh color 73, 53.795, 136.140 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, 53.795, 136.140 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, 53.795, 136.140

Background



This preview shows how black text looks on a background with the CIELCh color 73, 53.795, 136.140.

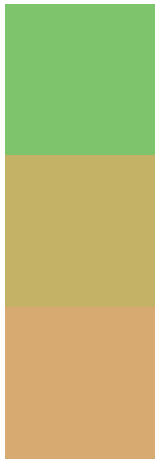


This preview shows how white text looks on a background with the CIELCh color 73, 53.795, 136.140.

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](#).

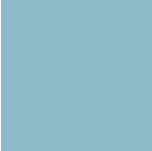
Dichromacy



Original Color
73, 53.795, 136.140

Protanopia
73, 41.143, 95.278

Deuteranopia
73, 36.317, 74.874



Tritanopia
73, 16.538, 228.129

Trichromacy



Original Color
73, 53.795, 136.140

Protanomaly
72, 43.037, 113.868

Deuteranomaly
72, 36.224, 104.583

Tritanomaly
73, 23.288, 165.149

Monochromacy



Original Color
73, 53.795, 136.140

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 20.034, 137.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 53.795, 136.140 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(126, 196, 108)` looks like.

```
.text, #text, p{  
    color:rgb(126, 196, 108)  
}
```

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(126, 196, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 196, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 53.795, 136.140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

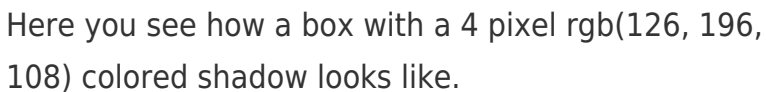
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 196, 108) }
```

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

```
.border{ border-color:rgb(126, 196, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 196, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 196, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 196, 108); box-shadow:4px 4px 4px 4px rgb(126, 196, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 53.795, 136.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 196, 108) }
```

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

```
.background{ background-color: rgb(126,  
196, 108) }
```

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