

Converting Colors

CIELCh(73, 53.236, 135.851)

Have a look what the booklet for
CIELCh(73, 53.236, 135.851)
contains.

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Color

CIELCh(73, 52.986, 135.805)

Conversions

Conversions Part 1

Format	Color
Hex	80C46D
RGB	128, 196, 109
RGB Percent	50%, 77%, 43%
CMY	0.4981, 0.2314, 0.5726
CMYK	0.35, 0.00, 0.44, 0.23
HSL	107°, 42%, 60%
HSV	107°, 44%, 77%
XYZ	31.3955, 45.1644, 21.5267
YIQ	165.7500, -12.6010, -41.4730

Conversions

Conversions Part 2

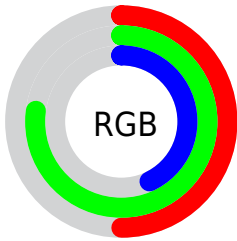
Format	Color
RYB	109, 196, 177
Decimal	8438893
CIELab	73.00, -37.99, 36.94
CIELCh	73, 52.986, 135.805
Yxy	45.1644, 0.3201, 0.4605
Android (android.graphics.Color)	4286628973 (0xFF80C46D)
YUV	165.7500, -27.9777, -33.1067
Hunter-Lab	67.2044, -34.2190, 28.0515

Details

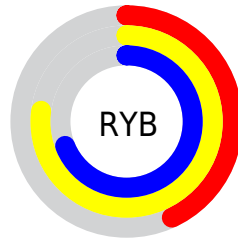
The CIELCh color **73, 52.986, 135.805** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 54.095, 320.150**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 52.926, 135.966**, and **53, 53.268, 135.905** is the 20% darker color. If you saturate the color by 10%, you get **72, 64.074, 135.158**, and if you desaturate by 10%, it is **74, 41.329, 136.448**.

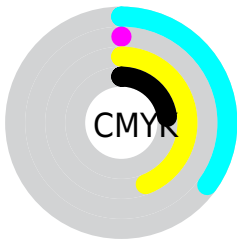
Distribution



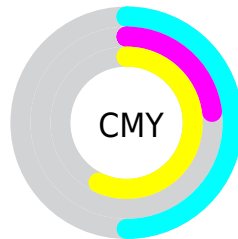
- Red (50%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)





- Cyan (50%)
- Magenta (23%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 52.986, 135.805 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, 52.986, 135.805 by changing the saturation by 10% instead.


 73, 52.986,
135.805


 73, 52.986,
135.805


 100, 52.986,
135.805


 63, 52.986,
135.805


 93, 52.986,
135.805

 53, 52.986,
135.805

 43, 52.986,
135.805

 33, 52.986,
135.805

 23, 52.986,
135.805

 13, 52.986,
135.805

 3, 52.986, 135.805

0, 52.986, 135.805

73, 52.986,
135.805

73, 52.986,
135.805

72, 64.074,
135.158

74, 41.329,
136.448

71, 74.233,
134.571

75, 29.365,
137.051

71, 83.008,
134.143

77, 17.289,
137.599

70, 89.881,
134.003

78, 5.243, 138.107

70, 94.448,
134.255

80, 6.671, 318.458

69, 96.230,
134.466

82, 18.384,
318.840

84, 29.847,

319.155

■ 86, 36.238,
323.554

■ 86, 37.012,
325.710

Harmonies

Complementary

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



73, 52.986, 135.805



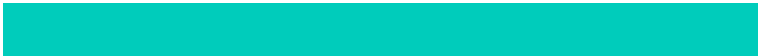
56, 54.095, 320.150

Rectangle

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



73, 52.986, 135.805



73, 52.986, 185.805



73, 52.986, 315.805



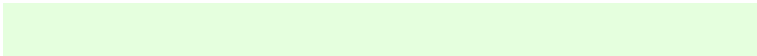
73, 52.986, 5.805

Sweetspot

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



73, 52.987, 135.806



97, 19.330, 137.661



72, 36.799, 92.919



52, 13.538, 137.544



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, 52.987, 135.806



91, 77.382, 135.194



72, 46.835, 149.058



40, 6.733, 137.855



58, 82.882, 134.316



10, 22.909, 139.792

Inverse Universe

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



56, 54.095, 320.150



67, 79.167, 320.467



58, 47.145, 336.176



38, 6.773, 318.647



32, 83.565, 320.145



3, 21.829, 316.662

Previews

White Background



This preview shows how the CIELCh color 73, 52.986, 135.805 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, 52.986, 135.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

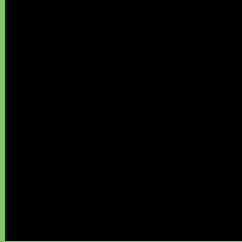
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 52.986, 135.805

Background



This preview shows how black text looks on a background with the CIELCh color 73, 52.986, 135.805.



This preview shows how white text looks on a background with the CIELCh color 73, 52.986, 135.805.

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, 52.986, 135.805

Protanopia
73, 40.646, 95.207

Deuteranopia
73, 35.855, 74.511



Tritanopia
73, 15.754, 229.846

Trichromacy



Original Color
73, 52.986, 135.805

Protanomaly
72, 42.546, 113.998

Deuteranomaly
72, 35.247, 103.929

Tritanomaly
73, 22.138, 164.990

Monochromacy



Original Color
73, 52.986, 135.805

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 20.012, 137.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 52.986, 135.805 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(128, 196, 109)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 109)  
}
```

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(128, 196, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 52.986, 135.805 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(128, 196, 109) }
```

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

```
.border{ border-color:rgb(128, 196, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 196, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 109);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 52.986, 135.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 109) }
```

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

```
.background{ background-color: rgb(128,  
196, 109) }
```

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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