

Converting Colors

CIELCh(71, 81.073, 137.396)

Have a look what the booklet for
CIELCh(71, 81.073, 137.396)
contains.

CIELCh(71, 81.046, 137.479)	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(71, 81.046, 137.479)

Conversions

Conversions Part 1

Format	Color
Hex	48C640
RGB	72, 198, 64
RGB Percent	28%, 78%, 25%
CMY	0.7172, 0.2231, 0.7486
CMYK	0.64, 0.00, 0.68, 0.22
HSL	116°, 54%, 51%
HSV	116°, 68%, 78%
XYZ	23.8266, 42.1875, 11.7520
YIQ	145.0500, -32.0820, -68.3860

Conversions

Conversions Part 2

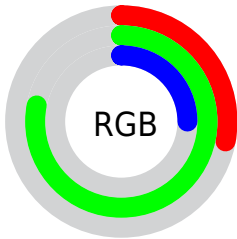
Format	Color
RYB	64, 198, 190
Decimal	4769344
CIELab	71.00, -59.73, 54.78
CIELCh	71, 81.046, 137.479
Yxy	42.1875, 0.3064, 0.5425
Android (android.graphics.Color)	4282959424 (0xFF48C640)
YUV	145.0500, -39.9576, -64.0648
Hunter-Lab	64.9519, -48.1858, 34.7388

Details

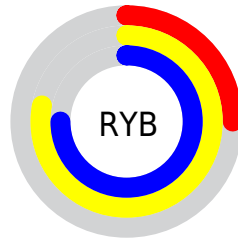
The CIELCh color **71, 81.046, 137.479** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **50, 80.385, 325.778**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 80.672, 137.538**, and **51, 77.861, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 89.142, 136.656**, and if you desaturate by 10%, it is **72, 71.136, 138.428**.

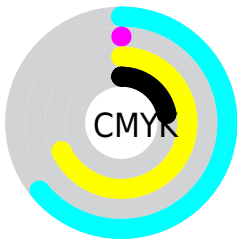
Distribution



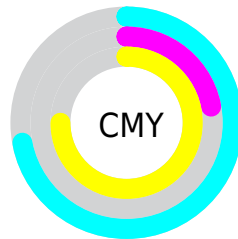
- Red (28%)
- Green (78%)
- Blue (25%)



- Red (25%)
- Yellow (78%)
- Blue (75%)



- Cyan (64%)
- Magenta (0%)
- Yellow (68%)
- Black (22%)





- Cyan (72%)
- Magenta (22%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 81.046, 137.479 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 71, 81.046, 137.479 by changing the saturation by 10% instead.


 71, 81.046,
137.479


 71, 81.046,
137.479


 100, 81.046,
137.479


 61, 81.046,
137.479


 91, 81.046,
137.479

 51, 81.046,
137.479

 41, 81.046,
137.479

 31, 81.046,
137.479

 21, 81.046,
137.479

 11, 81.046,
137.479

 1, 81.046, 137.479

0, 81.046, 137.479

71, 81.046,
137.479

71, 81.046,
137.479

70, 89.142,
136.656

72, 71.136,
138.428

70, 94.915,
136.093

73, 59.929,
139.389

70, 98.166,
135.857

74, 47.866,
140.293

70, 98.731,
135.787

75, 35.301,
141.106

77, 22.509,
141.821

78, 9.699, 142.447

■ 80, 2.978, 322.864

■ 82, 15.417,
323.373

■ 85, 27.548,
323.756

Harmonies

Complementary

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



71, 81.046, 137.479



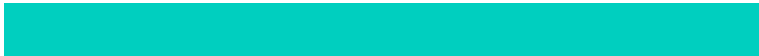
50, 80.385, 325.778

Rectangle

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



71, 81.046, 137.479



71, 81.046, 187.479



71, 81.046, 317.479



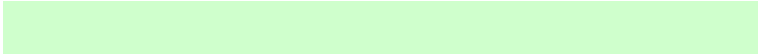
71, 81.046, 7.479

Sweetspot

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



71, 81.046, 137.480



96, 31.342, 141.641



75, 62.554, 100.622



50, 21.392, 141.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 81.046, 137.480



88, 111.374, 136.358



72, 60.027, 152.433



41, 7.229, 142.343



58, 85.436, 135.728



11, 26.154, 142.452

Inverse Universe

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



50, 80.385, 325.778



60, 109.265, 325.983



49, 61.259, 347.718



39, 7.247, 323.284



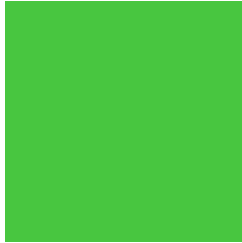
37, 83.032, 325.911



4, 26.063, 324.601

Previews

White Background



This preview shows how the CIELCh color 71, 81.046, 137.479 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 71, 81.046, 137.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

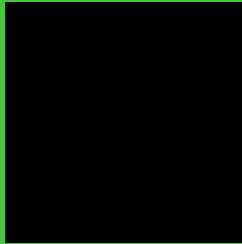
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 81.046, 137.479

Background



This preview shows how black text looks on a background with the CIELCh color 71, 81.046, 137.479.



This preview shows how white text looks on a background with the CIELCh color 71, 81.046, 137.479.

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

71, 81.046, 137.479

Protanopia

71, 59.549, 95.516

Deuteranopia

70, 52.399, 79.867



Tritanopia
71, 25.544, 216.543

Trichromacy



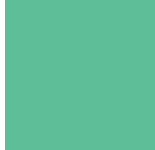
Original Color
71, 81.046, 137.479



Protanomaly
70, 62.940, 117.161



Deuteranomaly
69, 54.063, 111.219



Tritanomaly
70, 39.482, 163.742

Monochromacy



Original Color
71, 81.046, 137.479



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 32.226, 141.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 81.046, 137.479 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(72, 198, 64)` looks like.

```
.text, #text, p{  
    color:rgb(72, 198, 64)  
}
```

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(72, 198, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 198, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 81.046, 137.479 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(72, 198, 64) }
```

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

```
.border{ border-color:rgb(72, 198, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 198, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 198, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 198, 64);  
box-shadow:4px 4px 4px 4px rgb(72, 198,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 81.046, 137.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 198, 64) }
```

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

```
.background{ background-color: rgb(72, 198,  
64) }
```

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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