

Converting Colors

CIELCh(72, 55.736, 139.901)

Have a look what the booklet for
CIELCh(72, 55.736, 139.901)
contains.

CIELCh(72, 55.673, 139.728)	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(72, 55.673, 139.728)

Conversions

Conversions Part 1

Format	Color
Hex	71C36C
RGB	113, 195, 108
RGB Percent	44%, 76%, 42%
CMY	0.5566, 0.2350, 0.5762
CMYK	0.42, 0.00, 0.45, 0.24
HSL	117°, 42%, 59%
HSV	117°, 45%, 76%
XYZ	29.0584, 43.6590, 21.0998
YIQ	160.5640, -20.9450, -44.4410

Conversions

Conversions Part 2

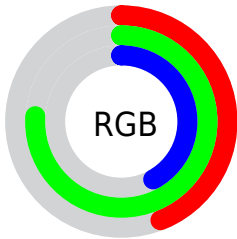
Format	Color
RYB	108, 195, 190
Decimal	7455596
CIELab	72.00, -42.48, 35.99
CIELCh	72, 55.673, 139.728
Yxy	43.6590, 0.3097, 0.4654
Android (android.graphics.Color)	4285645676 (0xFF71C36C)
YUV	160.5640, -25.9141, -41.7136
Hunter-Lab	66.0750, -37.1307, 27.3194

Details

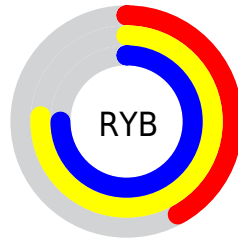
The CIELCh color **72, 55.673, 139.728** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 55.775, 325.071**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 55.376, 139.706**, and **52, 55.939, 139.557** is the 20% darker color. If you saturate the color by 10%, you get **71, 67.049, 138.776**, and if you desaturate by 10%, it is **73, 43.568, 140.610**.

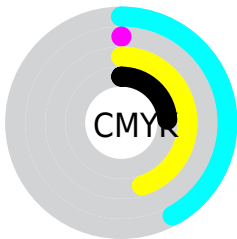
Distribution



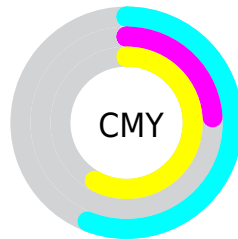
- Red (44%)
- Green (76%)
- Blue (42%)



- Red (42%)
- Yellow (76%)
- Blue (75%)



- Cyan (42%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)




- Cyan (56%)
- Magenta (24%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 55.673, 139.728 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 72, 55.673, 139.728 by changing the saturation by 10% instead.


 72, 55.673,
139.728


 72, 55.673,
139.728


 100, 55.673,
139.728


 62, 55.673,
139.728


 92, 55.673,
139.728

 52, 55.673,
139.728

 42, 55.673,
139.728

 32, 55.673,
139.728

 22, 55.673,
139.728

 12, 55.673,
139.728

 2, 55.673, 139.728

■ 0, 55.673, 139.728

■ 72, 55.673,
139.728

■ 72, 55.673,
139.728

■ 71, 67.049,
138.776

■ 73, 43.568,
140.610

■ 70, 77.285,
137.808

■ 75, 31.057,
141.396

■ 70, 85.890,
136.924

■ 76, 18.391,
142.083

■ 69, 92.345,
136.257

■ 78, 5.757, 142.697

■ 69, 96.277,
135.927

■ 80, 6.709, 323.117

■ 69, 97.608,
135.793

■ 82, 18.915,
323.563

■ 84, 30.800,

323.926

■ 86, 37.587,
325.730

Harmonies

Complementary

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



72, 55.673, 139.728



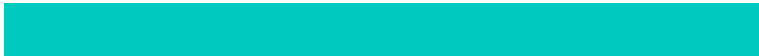
58, 55.775, 325.071

Rectangle

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



72, 55.673, 139.728



72, 55.673, 189.728



72, 55.673, 319.728



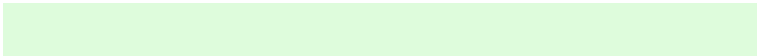
72, 55.673, 9.728

Sweetspot

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



72, 55.674, 139.728



96, 20.171, 142.172



76, 42.655, 102.803



51, 14.245, 142.028



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 55.674, 139.728



90, 81.711, 138.753



72, 41.026, 155.876



40, 7.081, 142.408



57, 84.458, 135.734



10, 23.896, 143.013

Inverse Universe

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



58, 55.775, 325.071



69, 81.600, 325.473



57, 42.416, 344.370



38, 7.098, 323.349



36, 82.060, 326.005



4, 23.505, 323.861

Previews

White Background



This preview shows how the CIELCh color 72, 55.673, 139.728 looks on a white background.

Color Contrast Check

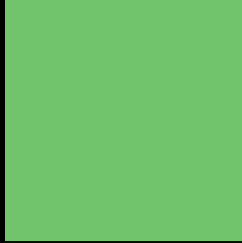
Large Text (above 18pt) WCAG AA × Fail

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 72, 55.673, 139.728 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 72, 55.673, 139.728

Background



This preview shows how black text looks on a background with the CIELCh color 72, 55.673, 139.728.



This preview shows how white text looks on a background with the CIELCh color 72, 55.673, 139.728.

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
72, 55.673, 139.728

Protanopia
72, 40.624, 95.751

Deuteranopia
72, 34.513, 74.859



Tritanopia
72, 19.014, 221.984

Trichromacy



Original Color
72, 55.673, 139.728



Protanomaly
71, 42.483, 116.847



Deuteranomaly
71, 35.259, 108.696

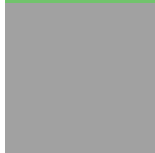


Tritanomaly
72, 26.338, 168.902

Monochromacy



Original Color
72, 55.673, 139.728



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 20.443, 141.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 55.673, 139.728 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(113, 195, 108)` looks like.

```
.text, #text, p{  
    color:rgb(113, 195, 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(113, 195, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 195, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 55.673, 139.728 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(113, 195, 108) }
```

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

```
.border{ border-color:rgb(113, 195, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 195, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 195, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 195, 108);  
box-shadow:4px 4px 4px 4px rgb(113, 195,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 55.673, 139.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 195, 108) }
```

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

```
.background{ background-color: rgb(113,  
195, 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