

Converting Colors

CIELCh(76, 76.665, 138.717)

Have a look what the booklet for
CIELCh(76, 76.665, 138.717)
contains.

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Color

CIELCh(76, 76.973, 138.642)

Conversions

Conversions Part 1

Format	Color
Hex	5CD457
RGB	92, 212, 87
RGB Percent	36%, 83%, 34%
CMY	0.6404, 0.1697, 0.6599
CMYK	0.57, 0.00, 0.59, 0.17
HSL	118°, 59%, 59%
HSV	118°, 59%, 83%
XYZ	29.5642, 49.8872, 17.0310
YIQ	161.8700, -31.3950, -64.3150

Conversions

Conversions Part 2

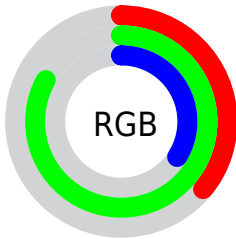
Format	Color
RYB	87, 212, 207
Decimal	6083671
CIELab	76.00, -57.78, 50.86
CIELCh	76, 76.973, 138.642
Yxy	49.8872, 0.3064, 0.5171
Android (android.graphics.Color)	4284273751 (0xFF5CD457)
YUV	161.8700, -36.9109, -61.2760
Hunter-Lab	70.6309, -48.8887, 35.1452

Details

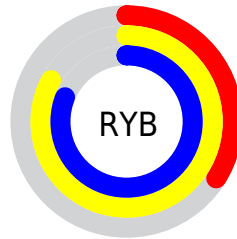
The CIELCh color **76, 76.973, 138.642** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **57, 76.535, 326.179**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 68.895, 138.557**, and **56, 76.774, 138.712** is the 20% darker color. If you saturate the color by 10%, you get **75, 87.133, 137.640**, and if you desaturate by 10%, it is **77, 65.315, 139.662**.

Distribution



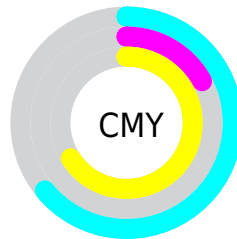
- Red (36%)
- Green (83%)
- Blue (34%)



- Red (34%)
- Yellow (83%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (59%)
- Black (17%)





- Cyan (64%)
- Magenta (17%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 76.973, 138.642 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 76, 76.973, 138.642 by changing the saturation by 10% instead.


 76, 76.973,
138.642


 76, 76.973,
138.642


 100, 76.973,
138.642


 66, 76.973,
138.642


 96, 76.973,
138.642

 56, 76.973,
138.642

 46, 76.973,
138.642

 36, 76.973,
138.642

 26, 76.973,
138.642

 16, 76.973,
138.642

 6, 76.973, 138.642

■ 0, 76.973, 138.642

■ 76, 76.973,
138.642

■ 76, 76.973,
138.642

■ 75, 87.133,
137.640

■ 77, 65.315,
139.662

■ 75, 95.236,
136.776

■ 78, 52.649,
140.622

■ 74, 100.769,
136.190

■ 80, 39.375,
141.486

■ 74, 103.682,
135.911

■ 81, 25.809,
142.242

■ 74, 103.898,
135.877

■ 83, 12.189,
142.901

■ 85, 1.307, 323.232

■ 87, 14.557,
323.880

■ 90, 27.005,
324.955

■ 90, 27.126,
325.369

Harmonies

Complementary

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



76, 76.973, 138.642



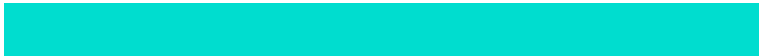
57, 76.535, 326.179

Rectangle

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



76, 76.973, 138.642



76, 76.973, 188.642



76, 76.973, 318.642



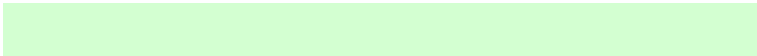
76, 76.973, 8.642

Sweetspot

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



76, 76.974, 138.643



96, 28.380, 142.301



81, 59.739, 102.245



51, 19.734, 142.092



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 76.974, 138.643



89, 103.063, 137.385



77, 55.673, 154.574



44, 7.735, 142.876



61, 88.505, 135.835



14, 31.777, 140.328

Inverse Universe

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



57, 76.535, 326.179



63, 101.601, 326.526



55, 57.702, 347.353



42, 7.752, 323.852



39, 85.772, 326.684



6, 32.714, 326.648

Previews

White Background



This preview shows how the CIELCh color 76, 76.973, 138.642 looks on a white background.

Color Contrast Check

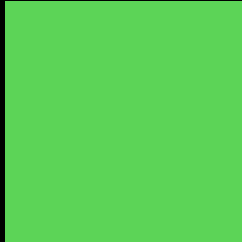
Large Text (above 18pt) WCAG AA × Fail

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 76, 76.973, 138.642 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 76, 76.973, 138.642

Background



This preview shows how black text looks on a background with the CIELCh color 76, 76.973, 138.642.

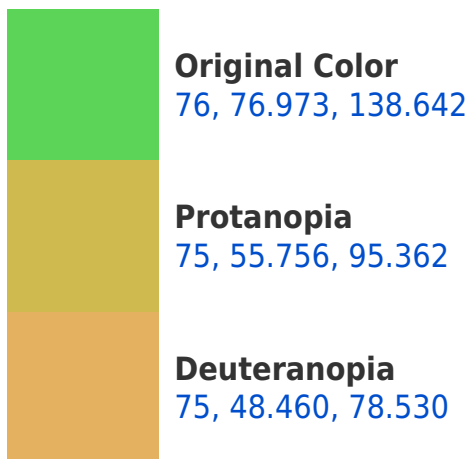


This preview shows how white text looks on a background with the CIELCh color 76, 76.973, 138.642.

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





Tritanopia
76, 25.220, 217.943

Trichromacy



Original Color
76, 76.973, 138.642



Protanomaly
75, 58.837, 117.194



Deuteranomaly
74, 50.462, 111.175



Tritanomaly
76, 37.557, 165.564

Monochromacy



Original Color
76, 76.973, 138.642



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 29.899, 142.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 76.973, 138.642 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(92, 212, 87)` looks like.

```
.text, #text, p{  
    color:rgb(92, 212, 87)  
}
```

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(92, 212, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 212, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 76.973, 138.642 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(92, 212, 87) }
```

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

```
.border{ border-color:rgb(92, 212, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 212, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 212, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 212, 87);  
box-shadow:4px 4px 4px 4px rgb(92, 212,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 76.973, 138.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 212, 87) }
```

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

```
.background{ background-color: rgb(92, 212,  
87) }
```

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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