

Converting Colors

CIELCh(82, 74.438, 137.917)

Have a look what the booklet for
CIELCh(82, 74.438, 137.917)
contains.

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Color

CIELCh(82, 74.391, 137.962)

Conversions

Conversions Part 1

Format	Color
Hex	75E469
RGB	117, 228, 105
RGB Percent	46%, 89%, 41%
CMY	0.5411, 0.1058, 0.5882
CMYK	0.49, 0.00, 0.54, 0.11
HSL	114°, 70%, 65%
HSV	114°, 54%, 89%
XYZ	37.6363, 60.2982, 23.0234
YIQ	180.7890, -26.6730, -61.7850

Conversions

Conversions Part 2

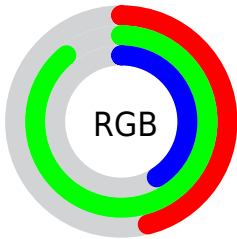
Format	Color
RYB	105, 228, 216
Decimal	7726185
CIELab	82.00, -55.25, 49.81
CIELCh	82, 74.391, 137.962
Yxy	60.2982, 0.3112, 0.4985
Android (android.graphics.Color)	4285916265 (0xFF75E469)
YUV	180.7890, -37.3640, -55.9430
Hunter-Lab	77.6519, -49.3755, 36.7772

Details

The CIELCh color **82, 74.391, 137.962** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 74.683, 324.227**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 56.632, 137.321**, and **62, 74.662, 137.881** is the 20% darker color. If you saturate the color by 10%, you get **81, 86.014, 137.093**, and if you desaturate by 10%, it is **83, 61.540, 138.837**.

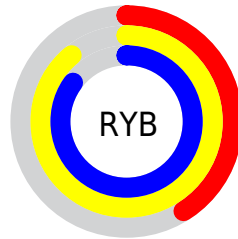
Distribution



Red (46%)

Green (89%)

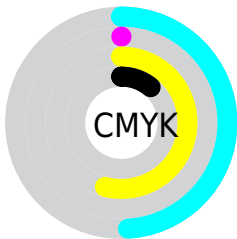
Blue (41%)



Red (41%)

Yellow (89%)

Blue (85%)

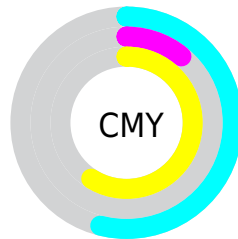


Cyan (49%)

Magenta (0%)

Yellow (54%)

Black (11%)



Cyan (54%)

Magenta (11%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 74.391, 137.962 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 82, 74.391, 137.962 by changing the saturation by 10% instead.


 82, 74.391,
137.962


 82, 74.391,
137.962


 100, 74.391,
137.962


 72, 74.391,
137.962

 62, 74.391,
137.962

 52, 74.391,
137.962

 42, 74.391,
137.962

 32, 74.391,
137.962

 22, 74.391,
137.962

 12, 74.391,

137.962

■ 2, 74.391, 137.962

■ 0, 74.391, 137.962

■ 82, 74.391,
137.962

■ 82, 74.391,
137.962

■ 81, 86.014,
137.093

■ 83, 61.540,
138.837

■ 80, 95.847,
136.329

■ 84, 47.915,
139.657

■ 80, 103.287,
135.806

■ 86, 33.870,
140.395

■ 80, 107.890,
135.639

■ 88, 19.673,
141.044

■ 79, 109.502,

■ 90, 5.524, 141.633

135.641

■ 92, 8.435, 322.030

■ 93, 16.865,
325.009

Harmonies

Complementary

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



82, 74.391, 137.962



62, 74.683, 324.227

Rectangle

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



82, 74.391, 137.962



82, 74.391, 187.962



82, 74.391, 317.962



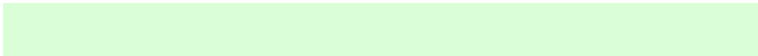
82, 74.391, 7.962

Sweetspot

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



82, 74.392, 137.963



97, 24.740, 140.911



85, 56.149, 100.037



51, 16.715, 140.780



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 74.392, 137.963



90, 95.299, 136.972



82, 56.977, 153.035



47, 8.035, 141.310



63, 91.072, 135.555



17, 35.902, 137.151

Inverse Universe

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



62, 74.683, 324.227



64, 95.181, 324.542



62, 58.366, 343.750



45, 8.062, 322.225



39, 89.001, 324.457



7, 37.230, 325.003

Previews

White Background



This preview shows how the CIELCh color 82, 74.391, 137.962 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 82, 74.391, 137.962 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 82, 74.391, 137.962

Background



This preview shows how black text looks on a background with the CIELCh color 82, 74.391, 137.962.



This preview shows how white text looks on a background with the CIELCh color 82, 74.391, 137.962.

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
82, 74.391, 137.962

Protanopia
82, 54.893, 95.849

Deuteranopia
81, 47.941, 77.523



Tritanopia
82, 23.764, 221.907

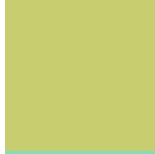
Trichromacy



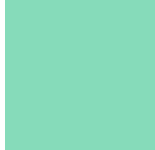
Original Color
82, 74.391, 137.962



Protanomaly
81, 57.724, 116.334



Deuteranomaly
80, 48.856, 108.721

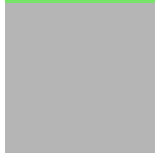


Tritanomaly
81, 34.141, 166.153

Monochromacy



Original Color
82, 74.391, 137.962



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 28.538, 140.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 74.391, 137.962 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(117, 228, 105)` looks like.

```
.text, #text, p{  
    color:rgb(117, 228, 105)  
}
```

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(117, 228, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 228, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 74.391, 137.962 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(117, 228, 105) }
```

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

```
.border{ border-color:rgb(117, 228, 105) }
```

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

Here you see how a box with a 4 pixel rgb(117, 228, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 228, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 228, 105);  
box-shadow:4px 4px 4px 4px rgb(117, 228,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 74.391, 137.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 228, 105) }
```

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

```
.background{ background-color: rgb(117,  
228, 105) }
```

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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