

Converting Colors

CIELCh(76, 42.348, 129.659)

Have a look what the booklet for
CIELCh(76, 42.348, 129.659)
contains.

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Color

CIELCh(76, 42.363, 129.691)

Conversions

Conversions Part 1

Format	Color
Hex	9EC87E
RGB	158, 200, 126
RGB Percent	62%, 78%, 49%
CMY	0.3817, 0.2170, 0.5071
CMYK	0.21, 0.00, 0.37, 0.22
HSL	94°, 40%, 64%
HSV	94°, 37%, 78%
XYZ	38.3584, 49.8872, 27.2404
YIQ	179.0060, -1.2780, -31.9180

Conversions

Conversions Part 2

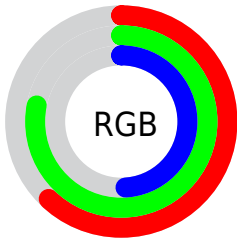
Format	Color
RYB	126, 200, 168
Decimal	10406014
CIELab	76.00, -27.06, 32.60
CIELCh	76, 42.363, 129.691
Yxy	49.8872, 0.3321, 0.4320
Android (android.graphics.Color)	4288596094 (0xFF9EC87E)
YUV	179.0060, -26.1320, -18.4223
Hunter-Lab	70.6309, -26.6639, 26.5751

Details

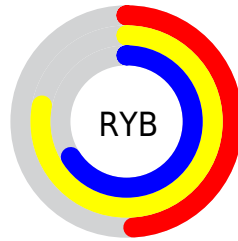
The CIELCh color **76, 42.363, 129.691** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 44.270, 313.090**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 41.375, 129.057**, and **56, 42.347, 129.833** is the 20% darker color. If you saturate the color by 10%, you get **75, 53.349, 129.225**, and if you desaturate by 10%, it is **77, 31.051, 130.181**.

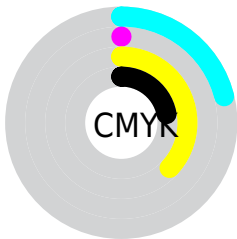
Distribution



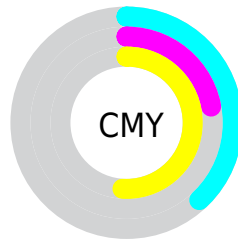
- Red (62%)
- Green (78%)
- Blue (49%)



- Red (49%)
- Yellow (78%)
- Blue (66%)



- Cyan (21%)
- Magenta (0%)
- Yellow (37%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.363, 129.691 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, 42.363, 129.691 by changing the saturation by 10% instead.


 76, 42.363,
129.691


 76, 42.363,
129.691


 100, 42.363,
129.691


 66, 42.363,
129.691


 96, 42.363,
129.691

 56, 42.363,
129.691

 46, 42.363,
129.691

 36, 42.363,
129.691

 26, 42.363,
129.691

 16, 42.363,
129.691

 6, 42.363, 129.691

0, 42.363, 129.691

76, 42.363,
129.691

76, 42.363,
129.691

75, 53.349,
129.225

77, 31.051,
130.181

74, 63.757,
128.830

78, 19.582,
130.660

73, 73.244,
128.588

80, 8.077, 131.119

73, 81.356,
128.612

81, 3.378, 311.473


72, 87.609,
129.031

82, 14.721,
311.879


72, 91.742,
129.914


84, 25.911,
312.218

85, 31.892,

 72, 92.755,
130.189

315.863

 86, 33.557,
322.177

 87, 34.704,
325.631

Harmonies

Complementary

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



76, 42.363, 129.691



59, 44.270, 313.090

Rectangle

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



76, 42.363, 129.691



76, 42.363, 179.691



76, 42.363, 309.691



76, 42.363, 359.691

Sweetspot

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



76, 42.365, 129.692



98, 15.390, 130.932



71, 26.686, 77.433



52, 10.344, 130.869



0, 0.000, 0.000



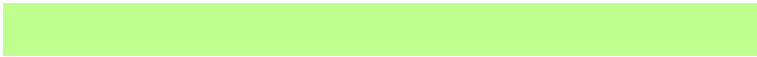
53, 0.007, 296.813

Same Dimension

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



76, 42.365, 129.692



94, 61.000, 129.333



74, 46.197, 143.492



41, 6.481, 131.013



60, 79.662, 129.958



12, 23.441, 133.791

Inverse Universe

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



59, 44.270, 313.090



69, 64.369, 313.448



63, 46.153, 328.369



39, 6.557, 311.781



27, 87.996, 313.650



3, 22.680, 308.473

Previews

White Background



This preview shows how the CIELCh color 76, 42.363, 129.691 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, 42.363, 129.691 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, 42.363, 129.691

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.363, 129.691.



This preview shows how white text looks on a background with the CIELCh color 76, 42.363, 129.691.

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](#).

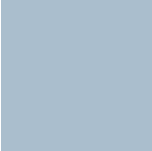
Dichromacy



Original Color
76, 42.363, 129.691

Protanopia
76, 35.652, 95.956

Deuteranopia
76, 32.482, 72.893



Tritanopia
76, 10.508, 249.522

Trichromacy



Original Color
76, 42.363, 129.691

Protanomaly
76, 36.419, 109.983

Deuteranomaly
76, 31.766, 98.146

Tritanomaly
76, 14.256, 155.623

Monochromacy



Original Color
76, 42.363, 129.691

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 15.817, 131.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.363, 129.691 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(158, 200, 126)` looks like.

```
.text, #text, p{  
    color:rgb(158, 200, 126)  
}
```

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(158, 200, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 200, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.363, 129.691 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(158, 200, 126) }
```

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

```
.border{ border-color:rgb(158, 200, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 200, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 200, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 200, 126); box-shadow:4px 4px 4px 4px rgb(158, 200, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.363, 129.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 200, 126) }
```

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

```
.background{ background-color: rgb(158,  
200, 126) }
```

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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