

Converting Colors

CIELCh(75, 49.277, 127.738)

Have a look what the booklet for
CIELCh(75, 49.277, 127.738)
contains.

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Color

CIELCh(75, 48.951, 127.634)

Conversions

Conversions Part 1

Format	Color
Hex	99C66F
RGB	153, 198, 111
RGB Percent	60%, 78%, 44%
CMY	0.4002, 0.2237, 0.5649
CMYK	0.23, 0.00, 0.44, 0.22
HSL	91°, 43%, 61%
HSV	91°, 44%, 78%
XYZ	36.1757, 48.2781, 22.4368
YIQ	174.6270, 1.1070, -36.5970

Conversions

Conversions Part 2

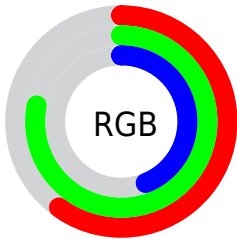
Format	Color
RYB	111, 198, 156
Decimal	10077807
CIELab	75.00, -29.89, 38.77
CIELCh	75, 48.951, 127.634
Yxy	48.2781, 0.3384, 0.4517
Android (android.graphics.Color)	4288267887 (0xFF99C66F)
YUV	174.6270, -31.3681, -18.9669
Hunter-Lab	69.4824, -28.6590, 29.4922

Details

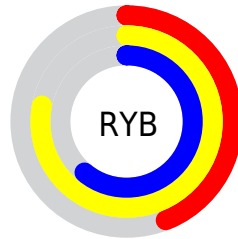
The CIELCh color $75, 48.951, 127.634$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $55, 52.031, 311.823$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 48.961, 127.576$, and $55, 48.892, 127.597$ is the 20% darker color. If you saturate the color by 10%, you get $74, 59.334, 127.231$, and if you desaturate by 10%, it is $76, 38.088, 128.102$.

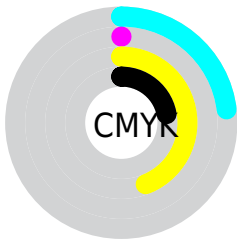
Distribution



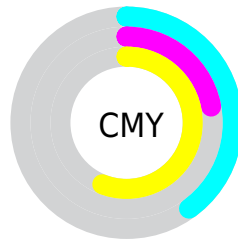
- Red (60%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (78%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)




- Cyan (40%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 48.951, 127.634 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 75, 48.951, 127.634 by changing the saturation by 10% instead.

 75, 48.951,
127.634

 75, 48.951,
127.634


 100, 48.951,
127.634

 65, 48.951,
127.634


 95, 48.951,
127.634

 55, 48.951,
127.634

 45, 48.951,
127.634

 35, 48.951,
127.634

 25, 48.951,
127.634

 15, 48.951,
127.634

 5, 48.951, 127.634

■ 0, 48.951, 127.634

■ 75, 48.951,
127.634

■ 75, 48.951,
127.634

■ 74, 59.334,
127.231

■ 76, 38.088,
128.102

■ 73, 68.928,
126.960

■ 77, 26.955,
128.587

■ 73, 77.322,
126.925

■ 78, 15.701,
129.063

■ 72, 84.034,
127.254

■ 79, 4.430, 129.530

■ 72, 88.678,
128.054

■ 81, 6.786, 309.898

■ 71, 90.725,
128.682

■ 82, 17.895,
310.287

■ 84, 28.860,

310.630

■ 85, 32.700,
314.997

■ 86, 34.126,
320.619

Harmonies

Complementary

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



75, 48.951, 127.634



55, 52.031, 311.823

Rectangle

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



75, 48.951, 127.634



75, 48.951, 177.634



75, 48.951, 307.634



75, 48.951, 357.634

Sweetspot

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



75, 48.952, 127.635



98, 17.971, 129.098



67, 31.064, 71.624



52, 12.578, 128.993



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 48.952, 127.635



93, 71.611, 127.236



73, 55.898, 141.448



41, 6.402, 129.275



60, 78.436, 128.452



12, 23.017, 132.059

Inverse Universe

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



55, 52.031, 311.823



63, 77.283, 312.311



59, 55.717, 327.232



39, 6.486, 310.070



25, 88.943, 312.404



2, 22.440, 306.555

Previews

White Background



This preview shows how the CIELCh color 75, 48.951, 127.634 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 CIE LCh color 75, 48.951, 127.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

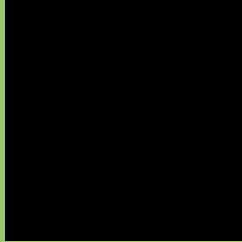
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 48.951, 127.634

Background



This preview shows how black text looks on a background with the CIELCh color 75, 48.951, 127.634.



This preview shows how white text looks on a background with the CIELCh color 75, 48.951, 127.634.

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

75, 48.951, 127.634

Protanopia

75, 41.933, 95.577

Deuteranopia

75, 38.149, 75.855



Tritanopia
75, 10.751, 248.166

Trichromacy



Original Color
75, 48.951, 127.634

Protanomaly
75, 42.535, 108.936

Deuteranomaly
74, 37.541, 98.138

Tritanomaly
75, 16.395, 151.877

Monochromacy



Original Color
75, 48.951, 127.634

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 17.887, 128.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 48.951, 127.634 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(153, 198, 111)` looks like.

```
.text, #text, p{  
    color:rgb(153, 198, 111)  
}
```

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(153, 198, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 198, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 48.951, 127.634 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(153, 198, 111) }
```

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

```
.border{ border-color:rgb(153, 198, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 198, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 198, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 198, 111);  
box-shadow:4px 4px 4px 4px rgb(153, 198,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 48.951, 127.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 198, 111) }
```

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

```
.background{ background-color: rgb(153,  
198, 111) }
```

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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