

Converting Colors

CIELCh(75, 46.554, 144.127)

Have a look what the booklet for
CIELCh(75, 46.554, 144.127)
contains.

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Color

CIELCh(75, 46.508, 144.154)

Conversions

Conversions Part 1

Format	Color
Hex	7ECA85
RGB	126, 202, 133
RGB Percent	49%, 79%, 52%
CMY	0.5065, 0.2085, 0.4790
CMYK	0.38, 0.00, 0.34, 0.21
HSL	126°, 42%, 64%
HSV	126°, 38%, 79%
XYZ	33.8870, 48.2781, 29.6687
YIQ	171.4100, -23.1470, -37.5710

Conversions

Conversions Part 2

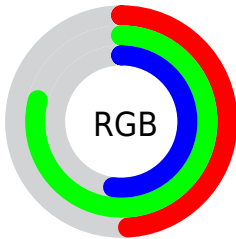
Format	Color
RYB	126, 196, 202
Decimal	8309381
CIELab	75.00, -37.70, 27.24
CIELCh	75, 46.508, 144.154
Yxy	48.2781, 0.3030, 0.4317
Android (android.graphics.Color)	4286499461 (0xFF7ECA85)
YUV	171.4100, -18.9361, -39.8246
Hunter-Lab	69.4824, -34.5389, 23.3211

Details

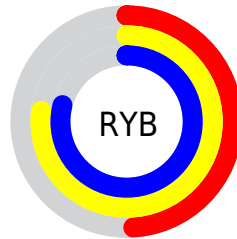
The CIELCh color **75, 46.508, 144.154** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **63, 46.477, 329.207**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 43.852, 144.615**, and **55, 46.204, 144.416** is the 20% darker color. If you saturate the color by 10%, you get **74, 58.231, 143.078**, and if you desaturate by 10%, it is **76, 34.307, 145.093**.

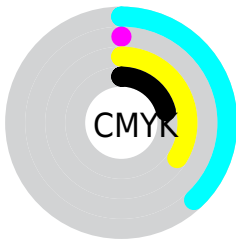
Distribution



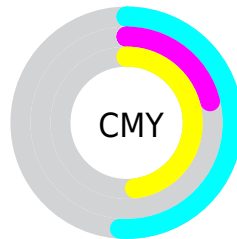
- Red (49%)
- Green (79%)
- Blue (52%)



- Red (49%)
- Yellow (77%)
- Blue (79%)



- Cyan (38%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)





- Cyan (51%)
- Magenta (21%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 46.508, 144.154 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, 46.508, 144.154 by changing the saturation by 10% instead.


 75, 46.508,
144.154


 75, 46.508,
144.154


 100, 46.508,
144.154


 65, 46.508,
144.154


 95, 46.508,
144.154

 55, 46.508,
144.154

 45, 46.508,
144.154

 35, 46.508,
144.154

 25, 46.508,
144.154

 15, 46.508,
144.154

 5, 46.508, 144.154

■ 0, 46.508, 144.154

■ 75, 46.508,
144.154

■ 75, 46.508,
144.154

■ 74, 58.231,
143.078

■ 76, 34.307,
145.093

■ 73, 69.166,
141.870

■ 78, 21.881,
145.903

■ 72, 78.967,
140.561

■ 80, 9.434, 146.609

■ 72, 87.256,
139.220

■ 82, 2.882, 327.069

■ 71, 93.662,
137.957

■ 84, 14.957,
327.650

■ 71, 97.920,
136.923

■ 86, 26.720,
328.089

■ 87, 33.339,

■ 71, 98.641,
136.759

325.584

Harmonies

Complementary

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



75, 46.508, 144.154



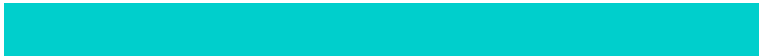
63, 46.477, 329.207

Rectangle

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



75, 46.508, 144.154



75, 46.508, 194.154



75, 46.508, 324.154



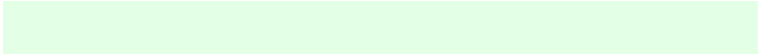
75, 46.508, 14.154

Sweetspot

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



75, 46.509, 144.154



97, 16.435, 146.371



79, 39.691, 110.317



52, 11.052, 146.275



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, 46.509, 144.154



91, 66.665, 143.308



76, 31.787, 164.607



42, 7.063, 146.491



59, 84.913, 136.903



12, 27.419, 144.473

Inverse Universe

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



63, 46.477, 329.207



74, 66.419, 329.659



62, 34.039, 352.451



40, 7.077, 327.551



38, 77.914, 332.244



5, 26.955, 330.715

Previews

White Background



This preview shows how the CIELCh color 75, 46.508, 144.154 looks on a white background.

Color Contrast Check

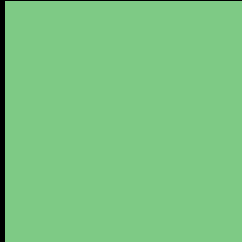
Large Text (above 18pt) WCAG AA × Fail

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 75, 46.508, 144.154 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, 46.508, 144.154

Background



This preview shows how black text looks on a background with the CIELCh color 75, 46.508, 144.154.

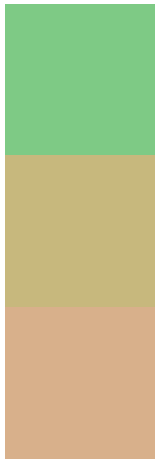


This preview shows how white text looks on a background with the CIELCh color 75, 46.508, 144.154.

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](#).

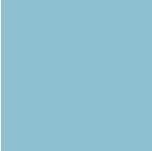
Dichromacy



Original Color
75, 46.508, 144.154

Protanopia
75, 32.089, 95.867

Deuteranopia
75, 26.181, 68.954



Tritanopia
75, 18.598, 224.268

Trichromacy



Original Color
75, 46.508, 144.154



Protanomaly
74, 33.702, 119.529



Deuteranomaly
74, 25.674, 109.500



Tritanomaly
75, 22.857, 176.817

Monochromacy



Original Color
75, 46.508, 144.154



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 17.101, 145.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 46.508, 144.154 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(126, 202, 133)` looks like.

```
.text, #text, p{  
    color:rgb(126, 202, 133)  
}
```

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(126, 202, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 202, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 46.508, 144.154 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(126, 202, 133) }
```

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

```
.border{ border-color:rgb(126, 202, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 202, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 202, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 202, 133);  
box-shadow:4px 4px 4px 4px rgb(126, 202,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 46.508, 144.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 202, 133) }
```

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

```
.background{ background-color: rgb(126,  
202, 133) }
```

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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