

Converting Colors

CIELCh(84, 48.924, 158.927)

Have a look what the booklet for
CIELCh(84, 48.924, 158.927)
contains.

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Color

CIELCh(84, 48.646, 159.049)

Conversions

Conversions Part 1

Format	Color
Hex	74E7AF
RGB	116, 231, 175
RGB Percent	45%, 91%, 69%
CMY	0.5445, 0.0935, 0.3131
CMYK	0.50, 0.00, 0.24, 0.09
HSL	151°, 71%, 68%
HSV	151°, 50%, 91%
XYZ	43.5969, 64.0658, 50.7024
YIQ	190.2310, -50.5640, -41.7960

Conversions

Conversions Part 2

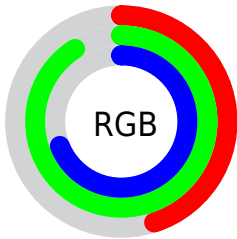
Format	Color
RYB	116, 192, 231
Decimal	7661487
CIELab	84.00, -45.43, 17.39
CIELCh	84, 48.646, 159.049
Yxy	64.0658, 0.2753, 0.4045
Android (android.graphics.Color)	4285851567 (0xFF74E7AF)
YUV	190.2310, -7.5089, -65.1006
Hunter-Lab	80.0411, -42.8464, 18.4712

Details

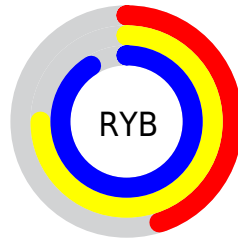
The CIELCh color **84, 48.646, 159.049** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **64, 51.582, 349.827**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.836, 173.026**, and **64, 48.972, 158.737** is the 20% darker color. If you saturate the color by 10%, you get **83, 57.083, 157.540**, and if you desaturate by 10%, it is **85, 39.538, 160.379**.

Distribution



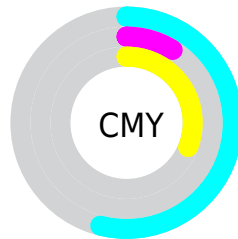
- Red (45%)
- Green (91%)
- Blue (69%)



- Red (45%)
- Yellow (75%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)



- Cyan (54%)
- Magenta (9%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 48.646, 159.049 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 84, 48.646, 159.049 by changing the saturation by 10% instead.

 84, 48.646,
159.049


 84, 48.646,
159.049

 100, 48.646,
159.049


 74, 48.646,
159.049

 64, 48.646,
159.049

 54, 48.646,
159.049

 44, 48.646,
159.049

 34, 48.646,
159.049

 24, 48.646,
159.049

 14, 48.646,

159.049

■ 4, 48.646, 159.049

■ 0, 48.646, 159.049

■ 84, 48.646,
159.049

■ 84, 48.646,
159.049

■ 83, 57.083,
157.540

■ 85, 39.538,
160.379

■ 82, 64.696,
155.831

■ 87, 29.930,
161.557

■ 82, 71.385,
153.907

■ 88, 19.993,
162.610

■ 81, 77.126,
151.773

■ 90, 9.884, 163.571

■ 81, 82.051,

■ 92, 0.263, 342.631

149.500

94, 10.343,
345.100

81, 82.171,
149.444

94, 14.457,
326.128

94, 14.890,
324.938

Harmonies

Complementary

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



84, 48.646, 159.049



64, 51.582, 349.827

Rectangle

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



84, 48.646, 159.049



84, 48.646, 209.049



84, 48.646, 339.049



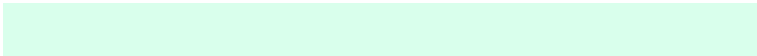
84, 48.646, 29.049

Sweetspot

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



84, 48.647, 159.048



97, 16.466, 163.067



86, 62.105, 126.760



51, 11.228, 162.862



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 48.647, 159.048



91, 61.978, 157.448



85, 34.068, 197.168



47, 5.725, 163.599



64, 67.141, 149.866



18, 25.943, 154.092

Inverse Universe

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



64, 51.582, 349.827



65, 65.809, 351.652



62, 49.095, 25.139



45, 5.803, 345.110



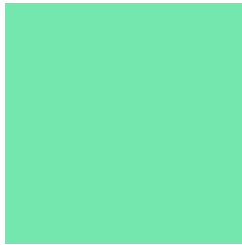
38, 64.740, 3.112



7, 27.489, 355.919

Previews

White Background



This preview shows how the CIELCh color 84, 48.646, 159.049 looks on a white background.

Color Contrast Check

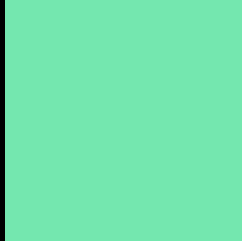
Large Text (above 18pt) WCAG AA × Fail

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 84, 48.646, 159.049 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 84, 48.646, 159.049

Background



This preview shows how black text looks on a background with the CIELCh color 84, 48.646, 159.049.

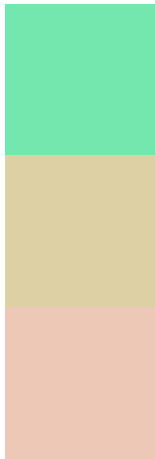


This preview shows how white text looks on a background with the CIELCh color 84, 48.646, 159.049.

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

84, 48.646, 159.049

Protanopia

84, 23.626, 95.585

Deuteranopia

83, 17.648, 52.515

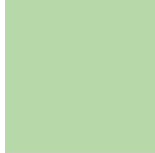


Tritanopia
84, 27.905, 216.647

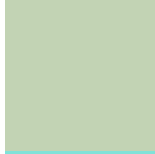
Trichromacy



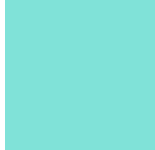
Original Color
84, 48.646, 159.049



Protanomaly
83, 28.138, 134.324



Deuteranomaly
83, 17.554, 130.107



Tritanomaly
84, 31.493, 187.542

Monochromacy



Original Color
84, 48.646, 159.049



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 18.657, 163.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 48.646, 159.049 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(116, 231, 175)` looks like.

```
.text, #text, p{  
    color:rgb(116, 231, 175)  
}
```

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(116, 231, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 231, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 48.646, 159.049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

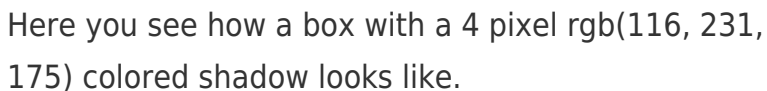
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 231, 175) }
```

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

```
.border{ border-color:rgb(116, 231, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 231, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 231, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 231, 175); box-shadow:4px 4px 4px 4px rgb(116, 231, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 48.646, 159.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 231, 175) }
```

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

```
.background{ background-color: rgb(116,  
231, 175) }
```

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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