

Converting Colors

CIELCh(78, 46.022, 147.476)

Have a look what the booklet for
CIELCh(78, 46.022, 147.476)
contains.

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Color

CIELCh(78, 46.178, 147.190)

Conversions

Conversions Part 1

Format	Color
Hex	81D391
RGB	129, 211, 145
RGB Percent	51%, 83%, 57%
CMY	0.4947, 0.1731, 0.4319
CMYK	0.39, 0.00, 0.31, 0.17
HSL	132°, 48%, 67%
HSV	132°, 39%, 83%
XYZ	37.3901, 53.2120, 35.0333
YIQ	178.9580, -27.6860, -37.9100

Conversions

Conversions Part 2

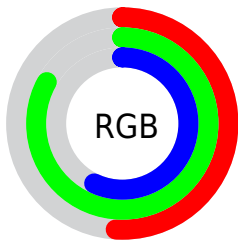
Format	Color
RYB	129, 198, 211
Decimal	8508305
CIELab	78.00, -38.81, 25.02
CIELCh	78, 46.178, 147.190
Yxy	53.2120, 0.2976, 0.4235
Android (android.graphics.Color)	4286698385 (0xFF81D391)
YUV	178.9580, -16.7413, -43.8132
Hunter-Lab	72.9466, -36.1631, 22.5880

Details

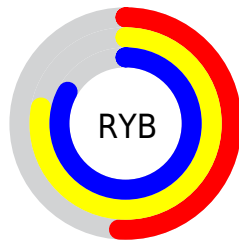
The CIELCh color **78, 46.178, 147.190** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 46.307, 332.885**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 38.101, 148.459**, and **58, 46.203, 147.103** is the 20% darker color. If you saturate the color by 10%, you get **77, 57.419, 146.034**, and if you desaturate by 10%, it is **79, 34.478, 148.193**.

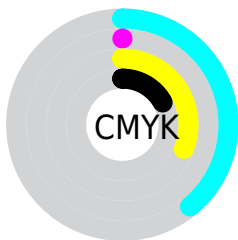
Distribution



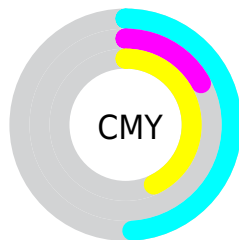
- Red (51%)
- Green (83%)
- Blue (57%)



- Red (51%)
- Yellow (78%)
- Blue (83%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)




- Cyan (49%)
- Magenta (17%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.178, 147.190 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 78, 46.178, 147.190 by changing the saturation by 10% instead.

 78, 46.178,
147.190

 78, 46.178,
147.190


 100, 46.178,
147.190


 68, 46.178,
147.190


 98, 46.178,
147.190

 58, 46.178,
147.190

 48, 46.178,
147.190

 38, 46.178,
147.190

 28, 46.178,
147.190

 18, 46.178,
147.190

 8, 46.178, 147.190

0, 46.178, 147.190

78, 46.178,
147.190

78, 46.178,
147.190

77, 57.419,
146.034

79, 34.478,
148.193

76, 67.941,
144.716

81, 22.541,
149.060

75, 77.471,
143.244

83, 10.560,
149.818

75, 85.748,
141.651

85, 1.322, 330.185

74, 92.533,
140.010

87, 12.994,
330.957

74, 97.688,
138.464

89, 24.300,
331.201

■ 74, 98.177,
138.318

■ 89, 27.668,
325.388

Harmonies

Complementary

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



78, 46.178, 147.190



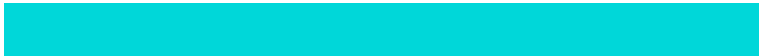
65, 46.307, 332.885

Rectangle

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



78, 46.178, 147.190



78, 46.178, 197.190



78, 46.178, 327.190



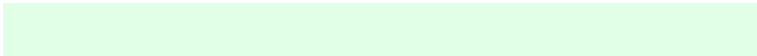
78, 46.178, 17.190

Sweetspot

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



78, 46.179, 147.190



97, 16.667, 149.581



82, 42.792, 114.626



52, 11.063, 149.482



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 46.179, 147.190



91, 64.531, 146.202



79, 31.344, 170.812



43, 6.698, 149.780



60, 82.496, 138.579



13, 27.634, 145.465

Inverse Universe

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



65, 46.307, 332.885



73, 64.472, 333.492



63, 34.959, 359.436



41, 6.719, 330.914



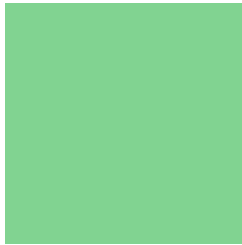
38, 72.828, 337.784



5, 26.757, 335.427

Previews

White Background



This preview shows how the CIELCh color 78, 46.178, 147.190 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 78, 46.178, 147.190 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 78, 46.178, 147.190

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.178, 147.190.

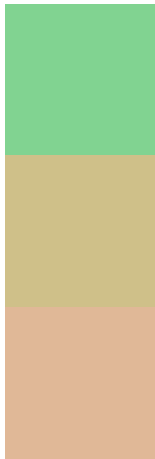


This preview shows how white text looks on a background with the CIELCh color 78, 46.178, 147.190.

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](#).

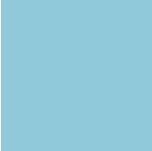
Dichromacy



Original Color
78, 46.178, 147.190

Protanopia
78, 29.812, 95.518

Deuteranopia
77, 24.229, 66.288



Tritanopia
78, 20.268, 223.393

Trichromacy



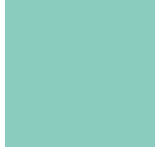
Original Color
78, 46.178, 147.190



Protanomaly
77, 32.135, 121.641



Deuteranomaly
77, 23.974, 112.698



Tritanomaly
78, 24.216, 179.485

Monochromacy



Original Color
78, 46.178, 147.190



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 17.219, 149.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.178, 147.190 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(129, 211, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 211, 145)  
}
```

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(129, 211, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 211, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.178, 147.190 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(129, 211, 145) }
```

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

```
.border{ border-color:rgb(129, 211, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 211, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 211, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 211, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 211,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.178, 147.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 211, 145) }
```

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

```
.background{ background-color: rgb(129,  
211, 145) }
```

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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