

Converting Colors

CIELCh(81, 48.148, 145.415)

Have a look what the booklet for
CIELCh(81, 48.148, 145.415)
contains.

CIELCh(81, 48.569, 145.318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 48.569, 145.318)

Conversions

Conversions Part 1

Format	Color
Hex	89DC94
RGB	137, 220, 148
RGB Percent	54%, 86%, 58%
CMY	0.4638, 0.1383, 0.4206
CMYK	0.38, 0.00, 0.33, 0.14
HSL	128°, 54%, 70%
HSV	128°, 38%, 86%
XYZ	41.1215, 58.4711, 37.0313
YIQ	186.9750, -26.3560, -39.9880

Conversions

Conversions Part 2

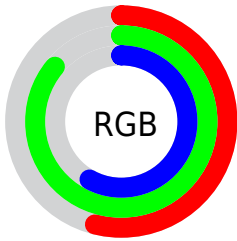
Format	Color
RYB	137, 210, 220
Decimal	9034900
CIELab	81.00, -39.94, 27.64
CIELCh	81, 48.569, 145.318
Yxy	58.4711, 0.3010, 0.4280
Android (android.graphics.Color)	4287224980 (0xFF89DC94)
YUV	186.9750, -19.2147, -43.8281
Hunter-Lab	76.4664, -37.8238, 24.8134

Details

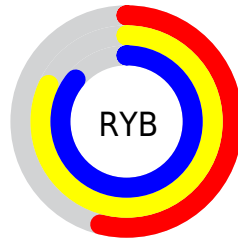
The CIELCh color **81, 48.569, 145.318** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **68, 48.584, 330.567**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 35.130, 146.955**, and **61, 48.276, 145.610** is the 20% darker color. If you saturate the color by 10%, you get **80, 60.778, 144.209**, and if you desaturate by 10%, it is **82, 35.870, 146.282**.

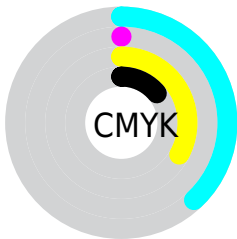
Distribution



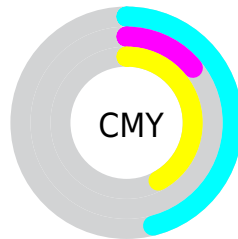
- Red (54%)
- Green (86%)
- Blue (58%)



- Red (54%)
- Yellow (82%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (33%)
- Black (14%)



- Cyan (46%)
- Magenta (14%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 48.569, 145.318 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 81, 48.569, 145.318 by changing the saturation by 10% instead.

■ 81, 48.569,
145.318

■ 81, 48.569,
145.318

■ 100, 48.569,
145.318

■ 71, 48.569,
145.318

■ 61, 48.569,
145.318

■ 51, 48.569,
145.318

■ 41, 48.569,
145.318

■ 31, 48.569,
145.318

■ 21, 48.569,
145.318

■ 11, 48.569,

145.318

■ 1, 48.569, 145.318

■ 0, 48.569, 145.318

■ 81, 48.569,
145.318

■ 81, 48.569,
145.318

■ 80, 60.778,
144.209

■ 82, 35.870,
146.282

■ 79, 72.189,
142.953

■ 84, 22.936,
147.113

■ 78, 82.470,
141.572

■ 86, 9.976, 147.838

■ 77, 91.269,
140.118

■ 88, 2.852, 328.303

■ 90, 15.433,
328.912

■ 77, 98.249,

138.687

91, 22.078,
325.193

77, 103.161,
137.422

77, 104.000,
137.206

Harmonies

Complementary

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



81, 48.569, 145.318



68, 48.584, 330.567

Rectangle

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



81, 48.569, 145.318



81, 48.569, 195.318



81, 48.569, 325.318



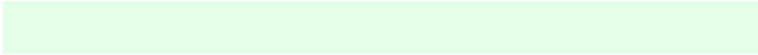
81, 48.569, 15.318

Sweetspot

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



81, 48.570, 145.318



97, 15.972, 147.606



85, 42.741, 111.774



52, 10.740, 147.508



0, 0.000, 0.000



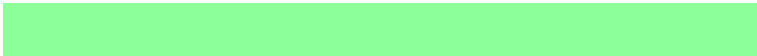
53, 0.007, 296.813

Same Dimension

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



81, 48.570, 145.318



91, 64.807, 144.488



82, 33.244, 166.584



45, 7.286, 147.722



62, 86.728, 137.409



15, 31.513, 142.506

Inverse Universe

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



68, 48.584, 330.567



74, 64.631, 331.036



66, 36.025, 354.684



43, 7.303, 328.816



40, 78.046, 334.297



7, 31.484, 333.057

Previews

White Background



This preview shows how the CIELCh color 81, 48.569, 145.318 looks on a white background.

Color Contrast Check

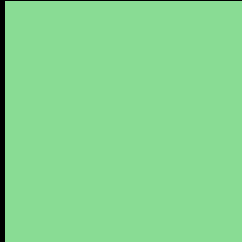
Large Text (above 18pt) WCAG AA × Fail

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 81, 48.569, 145.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

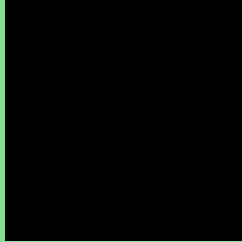
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 48.569, 145.318

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.569, 145.318.



This preview shows how white text looks on a background with the CIELCh color 81, 48.569, 145.318.

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
81, 48.569, 145.318

Protanopia
81, 32.731, 95.704

Deuteranopia
81, 26.930, 67.879



Tritanopia
81, 20.131, 225.125

Trichromacy



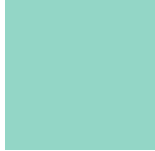
Original Color
81, 48.569, 145.318



Protanomaly
80, 34.902, 120.292



Deuteranomaly
80, 26.341, 110.382

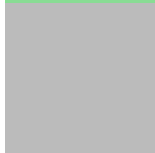


Tritanomaly
81, 24.561, 177.313

Monochromacy



Original Color
81, 48.569, 145.318



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 17.926, 147.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.569, 145.318 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(137, 220, 148)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 148)  
}
```

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(137, 220, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.569, 145.318 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(137, 220, 148) }
```

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

```
.border{ border-color:rgb(137, 220, 148) }
```

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

Here you see how a box with a 4 pixel rgb(137, 220, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 148);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.569, 145.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 148) }
```

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

```
.background{ background-color: rgb(137,  
220, 148) }
```

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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