

Converting Colors

CIELCh(80, 42.744, 154.385)

Have a look what the booklet for
CIELCh(80, 42.744, 154.385)
contains.

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Color

CIELCh(80, 42.681, 154.479)

Conversions

Conversions Part 1

Format	Color
Hex	80D9A3
RGB	128, 217, 163
RGB Percent	50%, 85%, 64%
CMY	0.4991, 0.1501, 0.3618
CMYK	0.41, 0.00, 0.25, 0.15
HSL	144°, 54%, 68%
HSV	144°, 41%, 85%
XYZ	40.1867, 56.6813, 43.3471
YIQ	184.2330, -35.7100, -35.6620

Conversions

Conversions Part 2

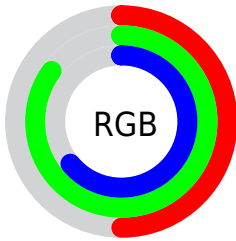
Format	Color
RYB	128, 192, 217
Decimal	8444323
CIELab	80.00, -38.52, 18.39
CIELCh	80, 42.681, 154.479
Yxy	56.6813, 0.2866, 0.4042
Android (android.graphics.Color)	4286634403 (0xFF80D9A3)
YUV	184.2330, -10.4679, -49.3163
Hunter-Lab	75.2870, -36.4723, 18.5642

Details

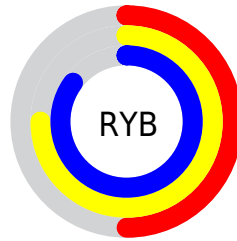
The CIELCh color $80, 42.681, 154.479$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $65, 43.740, 341.876$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 31.198, 159.983$, and $60, 42.973, 154.278$ is the 20% darker color. If you saturate the color by 10%, you get $79, 52.330, 153.179$, and if you desaturate by 10%, it is $81, 32.564, 155.616$.

Distribution



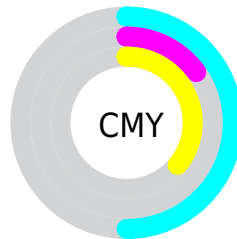
- Red (50%)
- Green (85%)
- Blue (64%)



- Red (50%)
- Yellow (75%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)



- Cyan (50%)
- Magenta (15%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.681, 154.479 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 80, 42.681, 154.479 by changing the saturation by 10% instead.


 80, 42.681,
154.479


 80, 42.681,
154.479


 100, 42.681,
154.479


 70, 42.681,
154.479

 60, 42.681,
154.479

 50, 42.681,
154.479

 40, 42.681,
154.479

 30, 42.681,
154.479

 20, 42.681,
154.479

 10, 42.681,

154.479

■ 0, 42.681, 154.479

■ 80, 42.681,
154.479

■ 80, 42.681,
154.479

■ 79, 52.330,
153.179

■ 81, 32.564,
155.616

■ 78, 61.319,
151.693

■ 83, 22.158,
156.615

■ 77, 69.479,
150.007

■ 85, 11.627,
157.505

■ 77, 76.683,
148.117

■ 86, 1.107, 158.601

■ 76, 82.873,
146.049

■ 88, 9.298, 338.897

■ 90, 18.787,
337.455

■ 76, 87.639,
144.145

■ 91, 23.875,
325.428

■ 91, 23.977,
325.259

Harmonies

Complementary

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



80, 42.681, 154.479



65, 43.740, 341.876

Rectangle

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



80, 42.681, 154.479



80, 42.681, 204.479



80, 42.681, 334.479



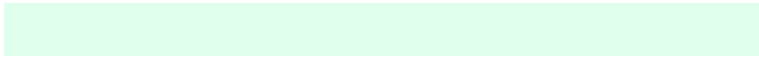
80, 42.681, 24.479

Sweetspot

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



80, 42.682, 154.479



97, 14.394, 157.416



82, 47.738, 122.779



52, 9.551, 157.302



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 42.682, 154.479



91, 57.452, 153.400



81, 29.338, 186.420



44, 5.904, 157.645



61, 72.778, 144.530



14, 25.634, 149.687

Inverse Universe

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



65, 43.740, 341.876



71, 58.869, 342.815



63, 36.731, 14.745



42, 5.951, 338.993



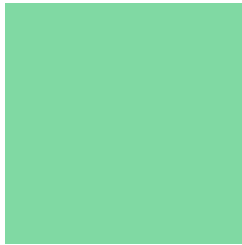
37, 64.995, 352.137



5, 24.886, 346.900

Previews

White Background



This preview shows how the CIELCh color 80, 42.681, 154.479 looks on a white background.

Color Contrast Check

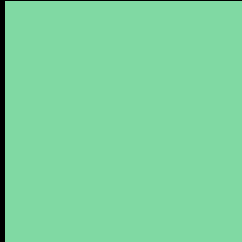
Large Text (above 18pt) WCAG AA × Fail

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 80, 42.681, 154.479 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 80, 42.681, 154.479

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.681, 154.479.

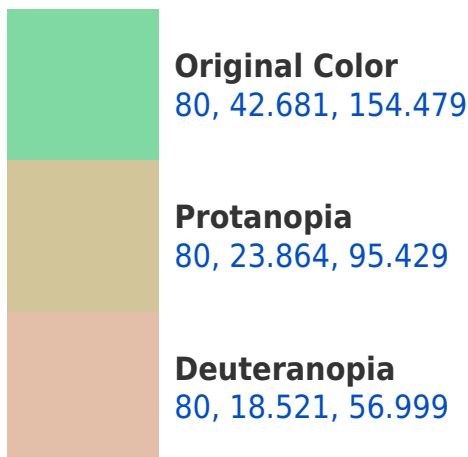


This preview shows how white text looks on a background with the CIELCh color 80, 42.681, 154.479.

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





Tritanopia
80, 22.415, 222.113

Trichromacy



Original Color
80, 42.681, 154.479



Protanomaly
79, 26.532, 128.394



Deuteranomaly
79, 17.840, 119.787



Tritanomaly
80, 25.127, 186.515

Monochromacy



Original Color
80, 42.681, 154.479



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 16.050, 156.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.681, 154.479 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(128, 217, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 163)  
}
```

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(128, 217, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.681, 154.479 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(128, 217, 163) }
```

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

```
.border{ border-color:rgb(128, 217, 163) }
```

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

Here you see how a box with a 4 pixel rgb(128, 217, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.681, 154.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 163) }
```

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

```
.background{ background-color: rgb(128,  
217, 163) }
```

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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