

Converting Colors

CIELCh(79, 60.245, 147.445)

Have a look what the booklet for
CIELCh(79, 60.245, 147.445)
contains.

CIELCh(79, 60.040, 147.580)	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(79, 60.040, 147.580)

Conversions

Conversions Part 1

Format	Color
Hex	68DA85
RGB	104, 218, 133
RGB Percent	41%, 85%, 52%
CMY	0.5912, 0.1441, 0.4775
CMYK	0.52, 0.00, 0.39, 0.14
HSL	135°, 61%, 63%
HSV	135°, 52%, 86%
XYZ	35.1227, 54.9284, 31.0228
YIQ	174.2240, -40.6590, -50.6030

Conversions

Conversions Part 2

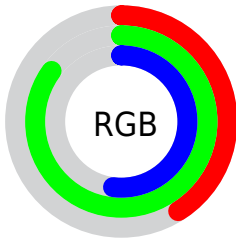
Format	Color
RYB	104, 195, 218
Decimal	6871685
CIELab	79.00, -50.68, 32.19
CIELCh	79, 60.040, 147.580
Yxy	54.9284, 0.2901, 0.4537
Android (android.graphics.Color)	4285061765 (0xFF68DA85)
YUV	174.2240, -20.3234, -61.5864
Hunter-Lab	74.1137, -45.1073, 27.0617

Details

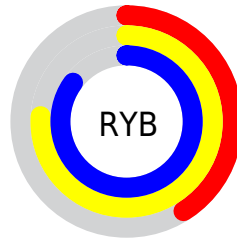
The CIELCh color **79, 60.040, 147.580** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **60, 60.072, 336.318**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.885, 149.970**, and **59, 60.062, 147.525** is the 20% darker color. If you saturate the color by 10%, you get **78, 70.120, 146.156**, and if you desaturate by 10%, it is **80, 49.193, 148.829**.

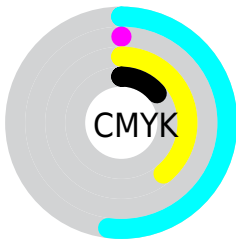
Distribution



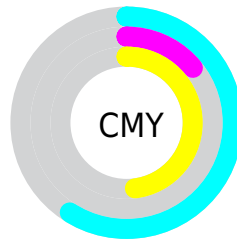
- Red (41%)
- Green (85%)
- Blue (52%)



- Red (41%)
- Yellow (76%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (59%)
- Magenta (14%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 60.040, 147.580 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 79, 60.040, 147.580 by changing the saturation by 10% instead.


 79, 60.040,
147.580

 79, 60.040,
147.580


 100, 60.040,
147.580


 69, 60.040,
147.580


 99, 60.040,
147.580

 59, 60.040,
147.580

 49, 60.040,
147.580

 39, 60.040,
147.580

 29, 60.040,
147.580

 19, 60.040,
147.580

 9, 60.040, 147.580

■ 0, 60.040, 147.580

■ 79, 60.040,
147.580

■ 79, 60.040,
147.580

■ 78, 70.120,
146.156

■ 80, 49.193,
148.829

■ 77, 79.194,
144.558

■ 81, 37.817,
149.913

■ 77, 87.056,
142.816

■ 83, 26.136,
150.853

■ 77, 93.551,
140.993

■ 85, 14.344,
151.673

■ 76, 97.660,
139.636

■ 87, 2.595, 152.485

■ 89, 8.991, 332.926

■ 91, 19.857,

331.891

91, 23.012,
325.226

Harmonies

Complementary

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



79, 60.040, 147.580



60, 60.072, 336.318

Rectangle

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



79, 60.040, 147.580



79, 60.040, 197.580



79, 60.040, 327.580



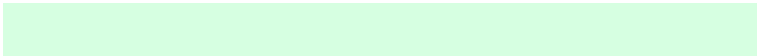
79, 60.040, 17.580

Sweetspot

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



79, 60.041, 147.580



97, 21.319, 151.365



83, 58.575, 116.747



51, 14.401, 151.195



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 60.041, 147.580



90, 80.281, 145.954



80, 39.499, 173.958



45, 6.673, 151.887



62, 81.679, 139.937



15, 29.529, 144.942

Inverse Universe

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



60, 60.072, 336.318



65, 79.197, 337.336



59, 47.785, 6.936



43, 6.700, 333.081



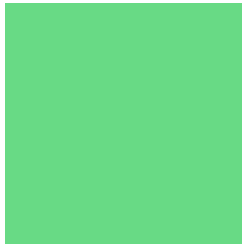
39, 71.336, 341.561



6, 28.908, 338.750

Previews

White Background



This preview shows how the CIELCh color 79, 60.040, 147.580 looks on a white background.

Color Contrast Check

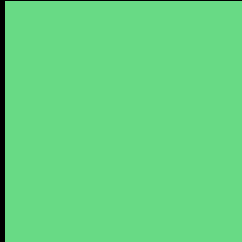
Large Text (above 18pt) WCAG AA × Fail

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 79, 60.040, 147.580 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 79, 60.040, 147.580

Background



This preview shows how black text looks on a background with the CIELCh color 79, 60.040, 147.580.

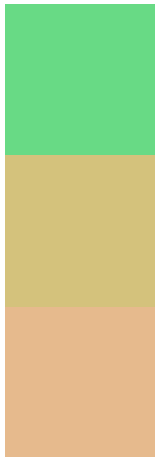


This preview shows how white text looks on a background with the CIELCh color 79, 60.040, 147.580.

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

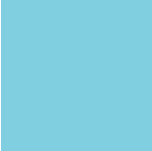
79, 60.040, 147.580

Protanopia

78, 37.624, 95.195

Deuteranopia

78, 30.431, 71.143



Tritanopia
79, 25.798, 218.616

Trichromacy



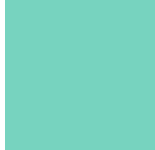
Original Color
79, 60.040, 147.580



Protanomaly
78, 41.512, 123.407



Deuteranomaly
78, 32.125, 117.322



Tritanomaly
79, 32.226, 177.605

Monochromacy



Original Color
79, 60.040, 147.580



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 22.838, 150.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 60.040, 147.580 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(104, 218, 133)` looks like.

```
.text, #text, p{  
    color:rgb(104, 218, 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(104, 218, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 218, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 60.040, 147.580 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(104, 218, 133) }
```

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

```
.border{ border-color:rgb(104, 218, 133) }
```

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

Here you see how a box with a 4 pixel rgb(104, 218, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 218, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 218, 133);  
box-shadow:4px 4px 4px 4px rgb(104, 218,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 60.040, 147.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 218, 133) }
```

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

```
.background{ background-color: rgb(104,  
218, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor