

Converting Colors

CIELCh(65, 80.274, 129.850)

Have a look what the booklet for
CIELCh(65, 80.274, 129.850)
contains.

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Color

CIELCh(65, 79.987, 129.797)

Conversions

Conversions Part 1

Format	Color
Hex	57B21A
RGB	87, 178, 26
RGB Percent	34%, 70%, 10%
CMY	0.6579, 0.3010, 0.8967
CMYK	0.51, 0.00, 0.85, 0.30
HSL	96°, 74%, 40%
HSV	96°, 85%, 70%
XYZ	20.1103, 34.0472, 6.5086
YIQ	133.4630, -5.4440, -66.5640

Conversions

Conversions Part 2

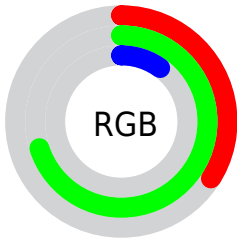
Format	Color
RYB	26, 178, 117
Decimal	5747226
CIELab	65.00, -51.20, 61.46
CIELCh	65, 79.987, 129.797
Yxy	34.0472, 0.3315, 0.5612
Android (android.graphics.Color)	4283937306 (0xFF57B21A)
YUV	133.4630, -52.9793, -40.7481
Hunter-Lab	58.3500, -40.5925, 34.2315

Details

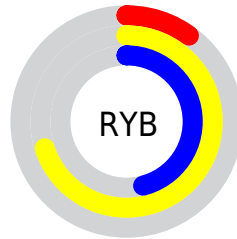
The CIELCh color **65, 79.987, 129.797** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **34, 86.828, 315.140**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 79.671, 129.843**, and **45, 69.487, 135.238** is the 20% darker color. If you saturate the color by 10%, you get **65, 84.266, 130.516**, and if you desaturate by 10%, it is **66, 73.774, 129.530**.

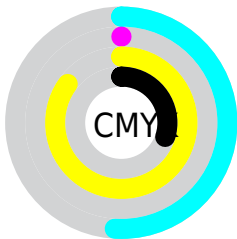
Distribution



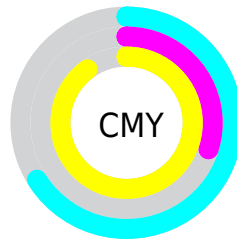
- Red (34%)
- Green (70%)
- Blue (10%)



- Red (10%)
- Yellow (70%)
- Blue (46%)



- Cyan (51%)
- Magenta (0%)
- Yellow (85%)
- Black (30%)





- Cyan (66%)
- Magenta (30%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 79.987, 129.797 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 65, 79.987, 129.797 by changing the saturation by 10% instead.


 65, 79.987,
129.797


 65, 79.987,
129.797


 100, 79.987,
129.797


 55, 79.987,
129.797


 85, 79.987,
129.797

 45, 79.987,
129.797

 95, 79.987,
129.797

 35, 79.987,
129.797

 25, 79.987,
129.797

 15, 79.987,
129.797

 5, 79.987, 129.797

 0, 79.987, 129.797

■ 65, 79.987,
129.797

■ 65, 79.987,
129.797

■ 65, 84.266,
130.516

■ 66, 73.774,
129.530

■ 64, 85.903,
130.903

■ 66, 65.964,
129.615

■ 67, 57.003,
129.925

■ 68, 47.279,
130.358

■ 69, 37.086,
130.843

■ 70, 26.632,
131.334

■ 71, 16.066,
131.808

■ 72, 5.491, 132.263

Harmonies

Complementary

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



65, 79.987, 129.797



34, 86.828, 315.140

Rectangle

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



65, 79.987, 129.797



65, 79.987, 179.797



65, 79.987, 309.797



65, 79.987, 359.797

Sweetspot

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



65, 79.987, 129.798



88, 34.016, 131.275



54, 57.404, 71.524



47, 23.228, 131.107



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 79.987, 129.798



82, 104.957, 131.163



64, 84.092, 138.163



37, 5.974, 132.077



56, 76.602, 130.719



7, 14.815, 135.428

Inverse Universe

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



34, 86.828, 315.140



40, 113.900, 314.222



43, 79.684, 331.251



35, 6.039, 312.822



25, 83.337, 314.541



2, 14.102, 308.628

Previews

White Background



This preview shows how the CIE LCh color 65, 79.987, 129.797 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 65, 79.987, 129.797 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 65, 79.987, 129.797

Background



This preview shows how black text looks on a background with the CIELCh color 65, 79.987, 129.797.



This preview shows how white text looks on a background with the CIELCh color 65, 79.987, 129.797.

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
65, 79.987, 129.797

Protanopia
65, 65.090, 95.005

Deuteranopia
65, 59.227, 81.937



Tritanopia
65, 19.229, 220.286

Trichromacy



Original Color
65, 79.987, 129.797

Protanomaly
64, 67.432, 111.187

Deuteranomaly
64, 60.590, 104.936

Tritanomaly
64, 36.554, 151.196

Monochromacy



Original Color
65, 79.987, 129.797

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 33.533, 130.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 79.987, 129.797 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(87, 178, 26)` looks like.

```
.text, #text, p{  
    color:rgb(87, 178, 26)  
}
```

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(87, 178, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 178, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 79.987, 129.797 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(87, 178, 26) }
```

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

```
.border{ border-color:rgb(87, 178, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 178, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 178, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 178, 26);  
box-shadow:4px 4px 4px 4px rgb(87, 178,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 79.987, 129.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 178, 26) }
```

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

```
.background{ background-color: rgb(87, 178,  
26) }
```

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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