

Converting Colors

CIELCh(65, 83.852, 139.232)

Have a look what the booklet for
CIELCh(65, 83.852, 139.232)
contains.

CIELCh(65, 83.672, 139.260)	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(65, 83.672, 139.260)

Conversions

Conversions Part 1

Format	Color
Hex	19B62F
RGB	25, 182, 47
RGB Percent	10%, 71%, 18%
CMY	0.9017, 0.2846, 0.8139
CMYK	0.86, 0.00, 0.74, 0.28
HSL	129°, 76%, 41%
HSV	129°, 86%, 72%
XYZ	17.7398, 34.0472, 8.3728
YIQ	119.6670, -50.2370, -75.2690

Conversions

Conversions Part 2

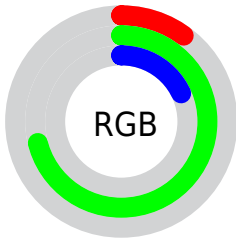
Format	Color
RYB	25, 163, 182
Decimal	1685039
CIELab	65.00, -63.40, 54.61
CIElCh	65, 83.672, 139.260
Yxy	34.0472, 0.2949, 0.5659
Android (android.graphics.Color)	4279875119 (0xFF19B62F)
YUV	119.6670, -35.8248, -83.0230
Hunter-Lab	58.3500, -47.8442, 32.3373

Details

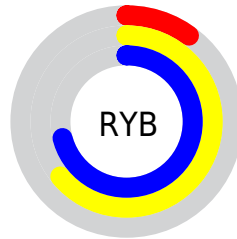
The CIELCh color **65, 83.672, 139.260** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **43, 78.114, 333.897**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 83.273, 139.229**, and **46, 71.447, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 88.446, 137.905**, and if you desaturate by 10%, it is **65, 77.232, 140.724**.

Distribution



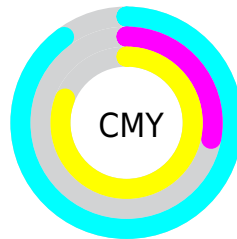
- Red (10%)
- Green (71%)
- Blue (18%)



- Red (10%)
- Yellow (64%)
- Blue (71%)



- Cyan (86%)
- Magenta (0%)
- Yellow (74%)
- Black (28%)





- Cyan (90%)
- Magenta (28%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 83.672, 139.260 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, 83.672, 139.260 by changing the saturation by 10% instead.


 65, 83.672,
139.260


 65, 83.672,
139.260


 100, 83.672,
139.260


 55, 83.672,
139.260


 85, 83.672,
139.260

 45, 83.672,
139.260

 95, 83.672,
139.260

 35, 83.672,
139.260

 25, 83.672,
139.260

 15, 83.672,
139.260

 5, 83.672, 139.260

 0, 83.672, 139.260

■ 65, 83.672,
139.260

■ 65, 83.672,
139.260

■ 65, 88.446,
137.905

■ 65, 77.232,
140.724

■ 65, 89.840,
137.508

■ 66, 69.354,
142.170

■ 67, 60.314,
143.522

■ 68, 50.395,
144.740

■ 69, 39.866,
145.811

■ 70, 28.970,
146.740

■ 71, 17.913,
147.544

■ 73, 6.859, 148.253

Harmonies

Complementary

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



65, 83.672, 139.260



43, 78.114, 333.897

Rectangle

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



65, 83.672, 139.260



65, 83.672, 189.260



65, 83.672, 319.260



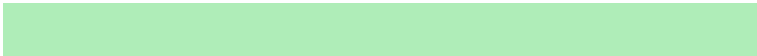
65, 83.672, 9.260

Sweetspot

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



65, 83.672, 139.261



89, 35.491, 146.726



70, 72.590, 110.476



47, 24.240, 146.419



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 83.672, 139.261



82, 109.932, 137.290



66, 54.947, 159.930



38, 6.249, 148.040



56, 79.537, 137.679



8, 17.585, 147.396

Inverse Universe

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



43, 78.114, 333.897



54, 97.698, 334.964



40, 62.481, 8.268



36, 6.264, 329.114



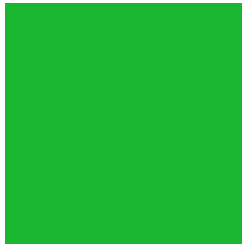
35, 71.577, 334.742



3, 16.280, 330.973

Previews

White Background



This preview shows how the CIELCh color 65, 83.672, 139.260 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 CIE LCh color 65, 83.672, 139.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

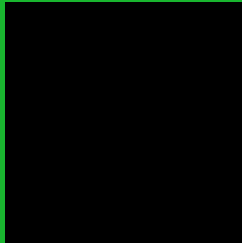
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 83.672, 139.260

Background



This preview shows how black text looks on a background with the CIELCh color 65, 83.672, 139.260.

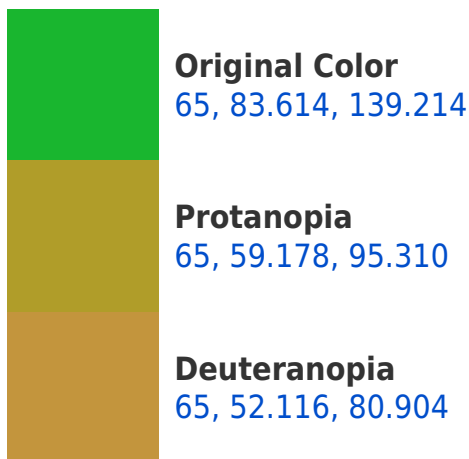



This preview shows how white text looks on a background with the CIELCh color 65, 83.672, 139.260.

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
65, 27.809, 213.759

Trichromacy



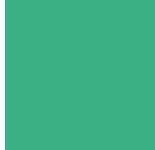
Original Color
65, 83.614, 139.214



Protanomaly
63, 64.530, 121.223



Deuteranomaly
62, 55.766, 117.044



Tritanomaly
64, 43.836, 164.548

Monochromacy



Original Color
65, 83.614, 139.214



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 36.123, 145.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 83.672, 139.260 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(25, 182, 47)` looks like.

```
.text, #text, p{  
    color:rgb(25, 182, 47)  
}
```

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(25, 182, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 182, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 83.672, 139.260 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(25, 182, 47) }
```

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

```
.border{ border-color:rgb(25, 182, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 182, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 182, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 182, 47);  
box-shadow:4px 4px 4px 4px rgb(25, 182,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 83.672, 139.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 182, 47) }
```

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

```
.background{ background-color: rgb(25, 182,  
47) }
```

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