

Converting Colors

CIELCh(64, 83.323, 140.004)

Have a look what the booklet for
CIELCh(64, 83.323, 140.004)
contains.

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Color

CIELCh(64, 83.527, 139.922)

Conversions

Conversions Part 1

Format	Color
Hex	05B42F
RGB	5, 180, 47
RGB Percent	2%, 71%, 18%
CMY	0.9798, 0.2949, 0.8164
CMYK	0.97, 0.00, 0.74, 0.29
HSL	134°, 94%, 36%
HSV	134°, 97%, 71%
XYZ	16.8560, 32.8017, 8.1113
YIQ	112.5130, -61.6070, -78.4630

Conversions

Conversions Part 2

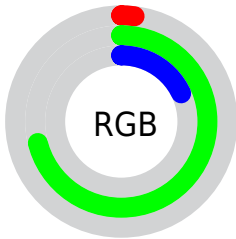
Format	Color
RYB	5, 146, 180
Decimal	373807
CIELab	64.00, -63.91, 53.78
CIElCh	64, 83.527, 139.922
Yxy	32.8017, 0.2918, 0.5678
Android (android.graphics.Color)	4278563887 (0xFF05B42F)
YUV	112.5130, -32.2979, -94.2889
Hunter-Lab	57.2727, -47.6928, 31.6939

Details

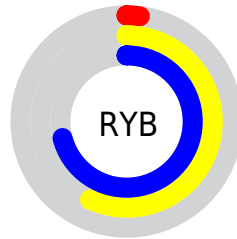
The CIELCh color **64, 83.527, 139.922** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **41, 73.820, 340.182**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 83.530, 139.851**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 84.804, 139.484**, and if you desaturate by 10%, it is **64, 78.447, 141.658**.

Distribution



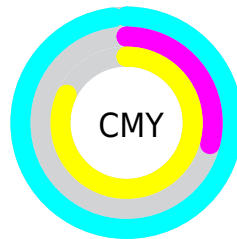
- Red (2%)
- Green (71%)
- Blue (18%)



- Red (2%)
- Yellow (57%)
- Blue (71%)



- Cyan (97%)
- Magenta (0%)
- Yellow (74%)
- Black (29%)




- Cyan (98%)
- Magenta (29%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 83.527, 139.922 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 64, 83.527, 139.922 by changing the saturation by 10% instead.

 64, 83.527,
139.922


 64, 83.527,
139.922


 100, 83.527,
139.922


 54, 83.527,
139.922

 84, 83.527,
139.922

 44, 83.527,
139.922

 94, 83.527,
139.922

 34, 83.527,
139.922

 24, 83.527,
139.922

 14, 83.527,
139.922

 4, 83.527, 139.922

 0, 83.527, 139.922

■ 64, 83.527,
139.922

■ 64, 83.527,
139.922

■ 64, 84.804,
139.484

■ 64, 78.447,
141.658

■ 65, 72.143,
143.386

■ 65, 64.721,
145.004

■ 66, 56.349,
146.468

■ 67, 47.228,
147.763

■ 68, 37.565,
148.894

■ 69, 27.560,
149.876

■ 70, 17.391,

150.729

■ 72, 7.204, 151.487

Harmonies

Complementary

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



64, 83.527, 139.922



41, 73.820, 340.182

Rectangle

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



64, 83.527, 139.922



64, 83.527, 189.922



64, 83.527, 319.922



64, 83.527, 9.922

Sweetspot

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



64, 83.527, 139.923



87, 36.549, 149.656



68, 76.424, 116.272



46, 25.019, 149.247



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 83.527, 139.923



82, 104.267, 139.167



65, 51.369, 165.222



37, 5.695, 151.326



55, 74.858, 139.725



7, 14.300, 149.984

Inverse Universe

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



41, 73.820, 340.182



53, 90.116, 340.831



38, 67.376, 22.471



35, 5.717, 332.471



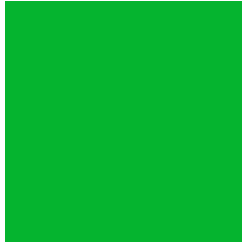
34, 65.883, 340.366



2, 12.867, 335.534

Previews

White Background



This preview shows how the CIELCh color 64, 83.527, 139.922 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 64, 83.527, 139.922 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 64, 83.527, 139.922

Background



This preview shows how black text looks on a background with the CIELCh color 64, 83.527, 139.922.



This preview shows how white text looks on a background with the CIELCh color 64, 83.527, 139.922.

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
64, 83.558, 139.947

Protanopia
63, 58.385, 95.161

Deuteranopia
63, 51.367, 80.464



Tritanopia
64, 28.108, 212.367

Trichromacy



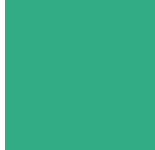
Original Color
64, 83.558, 139.947



Protanomaly
61, 64.644, 123.443



Deuteranomaly
61, 55.656, 119.785



Tritanomaly
63, 44.455, 165.623

Monochromacy



Original Color
64, 83.558, 139.947



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 37.673, 147.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 83.527, 139.922 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(5, 180, 47)` looks like.

```
.text, #text, p{  
    color:rgb(5, 180, 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(5, 180, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 180, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 83.527, 139.922 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(5, 180, 47) }
```

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

```
.border{ border-color:rgb(5, 180, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 180, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 180, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 180, 47);  
box-shadow:4px 4px 4px 4px rgb(5, 180, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 83.527, 139.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 180, 47) }
```

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

```
.background{ background-color: rgb(5, 180,  
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](#).

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