

Converting Colors

CIELCh(64, 84.593, 136.249)

Have a look what the booklet for
CIELCh(64, 84.593, 136.249)
contains.

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Color

CIELCh(64, 84.594, 136.329)

Conversions

Conversions Part 1

Format	Color
Hex	2BB321
RGB	43, 179, 33
RGB Percent	17%, 70%, 13%
CMY	0.8322, 0.2986, 0.8712
CMYK	0.76, 0.00, 0.82, 0.30
HSL	116°, 69%, 42%
HSV	116°, 82%, 70%
XYZ	17.3511, 32.8017, 6.8432
YIQ	121.6920, -34.1900, -74.2380

Conversions

Conversions Part 2

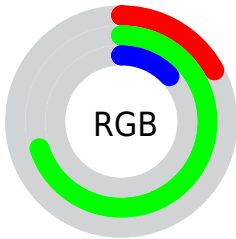
Format	Color
RYB	33, 179, 169
Decimal	2863905
CIELab	64.00, -61.19, 58.41
CIELCh	64, 84.594, 136.329
Yxy	32.8017, 0.3044, 0.5755
Android (android.graphics.Color)	4281053985 (0xFF2BB321)
YUV	121.6920, -43.7252, -69.0129
Hunter-Lab	57.2727, -46.1496, 33.0067

Details

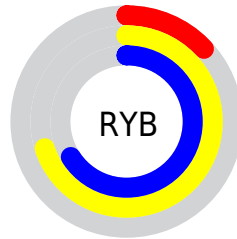
The CIELCh color **64, 84.594, 136.329** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **42, 83.175, 325.697**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 84.529, 136.341**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 89.138, 135.917**, and if you desaturate by 10%, it is **64, 77.814, 137.045**.

Distribution



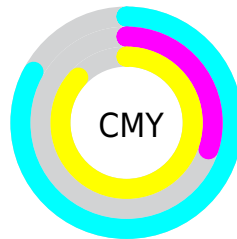
- Red (17%)
- Green (70%)
- Blue (13%)



- Red (13%)
- Yellow (70%)
- Blue (66%)



- Cyan (76%)
- Magenta (0%)
- Yellow (82%)
- Black (30%)



- Cyan (83%)
- Magenta (30%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 84.594, 136.329 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, 84.594, 136.329 by changing the saturation by 10% instead.

 64, 84.594,
136.329

 64, 84.594,
136.329


 100, 84.594,
136.329


 54, 84.594,
136.329


 84, 84.594,
136.329

 44, 84.594,
136.329

 94, 84.594,
136.329

 34, 84.594,
136.329

 24, 84.594,
136.329

 14, 84.594,
136.329

 4, 84.594, 136.329

 0, 84.594, 136.329

■ 64, 84.594,
136.329

■ 64, 84.594,
136.329

■ 64, 89.138,
135.917

■ 64, 77.814,
137.045

■ 64, 91.415,
135.719

■ 65, 69.218,
137.932

■ 66, 59.288,
138.871

■ 67, 48.450,
139.778

■ 68, 37.051,
140.609

■ 69, 25.363,
141.346

■ 71, 13.594,
141.991

■ 73, 1.897, 142.639

Harmonies

Complementary

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



64, 84.594, 136.329



42, 83.175, 325.697

Rectangle

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



64, 84.594, 136.329



64, 84.594, 186.329



64, 84.594, 316.329



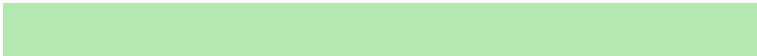
64, 84.594, 6.329

Sweetspot

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



64, 84.594, 136.330



87, 34.765, 141.152



67, 64.864, 98.538



46, 24.071, 140.893



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, 84.594, 136.330



81, 110.721, 135.826



64, 64.823, 149.200



37, 6.592, 142.130



55, 81.405, 135.661



7, 15.988, 143.030

Inverse Universe

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



42, 83.175, 325.697



53, 107.656, 325.567



41, 63.499, 349.294



35, 6.610, 323.046



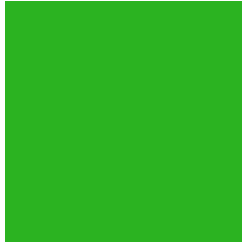
34, 79.232, 325.610



2, 15.743, 321.649

Previews

White Background



This preview shows how the CIELCh color 64, 84.594, 136.329 looks on a white background.

Color Contrast Check

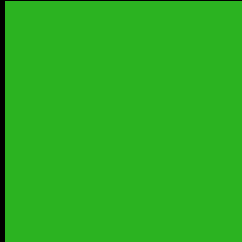
Large Text (above 18pt) WCAG AA × Fail

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, 84.594, 136.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

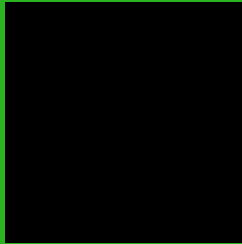
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 84.594, 136.329

Background



This preview shows how black text looks on a background with the CIELCh color 64, 84.594, 136.329.

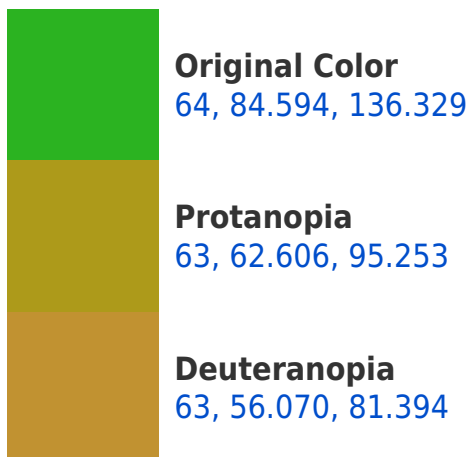


This preview shows how white text looks on a background with the CIELCh color 64, 84.594, 136.329.

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
64, 25.899, 213.859

Trichromacy



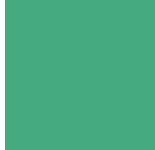
Original Color
64, 84.594, 136.329



Protanomaly
62, 66.876, 117.394



Deuteranomaly
62, 58.856, 112.587



Tritanomaly
63, 42.929, 160.244

Monochromacy



Original Color
64, 84.594, 136.329



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 36.202, 140.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 84.594, 136.329 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(43, 179, 33)` looks like.

```
.text, #text, p{  
    color:rgb(43, 179, 33)  
}
```

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(43, 179, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 179, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 84.594, 136.329 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(43, 179, 33) }
```

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

```
.border{ border-color:rgb(43, 179, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 179, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 179, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 179, 33);  
box-shadow:4px 4px 4px 4px rgb(43, 179,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 84.594, 136.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 179, 33) }
```

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

```
.background{ background-color: rgb(43, 179,  
33) }
```

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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