

Converting Colors

CIELCh(50, 61.628, 136.281)

Have a look what the booklet for
CIELCh(50, 61.628, 136.281)
contains.

CIELCh(50, 61.611, 136.249)	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(50, 61.611, 136.249)

Conversions

Conversions Part 1

Format	Color
Hex	338827
RGB	51, 136, 39
RGB Percent	20%, 53%, 15%
CMY	0.8006, 0.4671, 0.8475
CMYK	0.63, 0.00, 0.71, 0.47
HSL	113°, 56%, 34%
HSV	113°, 71%, 53%
XYZ	10.5085, 18.4187, 4.9100
YIQ	99.5270, -19.5230, -48.1870

Conversions

Conversions Part 2

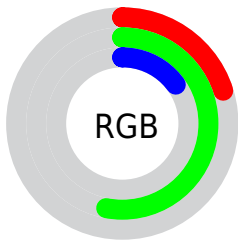
Format	Color
R_{YB}	39, 136, 124
Decimal	3377191
CIE _{Lab}	50.00, -44.50, 42.61
CIE _{LCh}	50, 61.611, 136.249
Yxy	18.4187, 0.3106, 0.5443
Android (android.graphics.Color)	4281567271 (0xFF338827)
YUV	99.5270, -29.8398, -42.5582
Hunter-Lab	42.9170, -31.3976, 23.2587

Details


The CIELCh color **50, 61.611, 136.249** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **33, 61.700, 323.775**, and the grayscale version is **42, 0.006, 296.813**.


A 20% lighter version of the original color is **70, 61.330, 136.235**, and **31, 53.844, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 67.428, 135.685**, and if you desaturate by 10%, it is **51, 54.513, 136.982**.

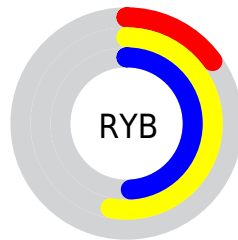
Distribution



 Red (20%)

 Green (53%)

 Blue (15%)




 Red (15%)

 Yellow (53%)

 Blue (49%)

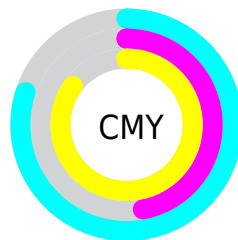


 Cyan (63%)

 Magenta (0%)

 Yellow (71%)

 Black (47%)



 Cyan (80%)


 Magenta (47%)


 Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 61.611, 136.249 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 50, 61.611, 136.249 by changing the saturation by 10% instead.


 50, 61.611,
136.249


 50, 61.611,
136.249


 100, 61.611,
136.249


 40, 61.611,
136.249


 70, 61.611,
136.249

 30, 61.611,
136.249


 80, 61.611,
136.249


 20, 61.611,
136.249

 90, 61.611,
136.249

 10, 61.611,
136.249

 0, 61.611, 136.249

 50, 61.611,
136.249

 50, 61.611,
136.249

■ 50, 67.428,
135.685

■ 51, 54.513,
136.982

■ 49, 71.616,
135.406

■ 51, 46.495,
137.774

■ 49, 74.208,
135.215

■ 52, 37.863,
138.552

■ 53, 28.858,
139.276

■ 54, 19.668,
139.928

■ 55, 10.433,
140.507

■ 56, 1.256, 141.123

■ 58, 7.787, 321.390

■ 59, 16.646,
321.767

Harmonies

Complementary

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



50, 61.611, 136.249



33, 61.700, 323.775

Rectangle

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



50, 61.611, 136.249



50, 61.611, 186.249



50, 61.611, 316.249



50, 61.611, 6.249

Sweetspot

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



50, 61.611, 136.250



69, 23.852, 139.924



51, 45.907, 96.511



36, 16.276, 139.776



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 61.611, 136.250



63, 85.027, 135.465



50, 49.109, 149.280



28, 5.220, 140.627



48, 72.891, 135.198



1, 2.415, 141.050

Inverse Universe

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



33, 61.700, 323.775



40, 84.227, 323.799



33, 48.923, 343.913



27, 5.240, 321.447



28, 71.740, 323.600



0, 2.416, 321.046

Previews

White Background



This preview shows how the CIE LCh color 50, 61.611, 136.249 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 61.611, 136.249 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 × Fail

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

CIELCh 50, 61.611, 136.249

Background



This preview shows how black text looks on a background with the CIELCh color 50, 61.611, 136.249.



This preview shows how white text looks on a background with the CIELCh color 50, 61.611, 136.249.

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
50, 61.611, 136.249

Protanopia
50, 46.012, 95.029

Deuteranopia
49, 40.913, 80.667



Tritanopia
50, 18.674, 216.135

Trichromacy



Original Color
50, 61.611, 136.249

Protanomaly
49, 48.657, 116.080

Deuteranomaly
49, 42.519, 110.247

Tritanomaly
50, 29.639, 161.535

Monochromacy



Original Color
50, 61.611, 136.249

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 24.596, 139.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 61.611, 136.249 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(51, 136, 39)` looks like.

```
.text, #text, p{  
    color:rgb(51, 136, 39)  
}
```

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(51, 136, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 136, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 61.611, 136.249 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(51, 136, 39) }
```

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

```
.border{ border-color:rgb(51, 136, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 136, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 136, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 136, 39);  
box-shadow:4px 4px 4px 4px rgb(51, 136,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 61.611, 136.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 136, 39) }
```

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

```
.background{ background-color: rgb(51, 136,  
39) }
```

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