

Converting Colors

CIELCh(50, 63.668, 139.565)

Have a look what the booklet for
CIELCh(50, 63.668, 139.565)
contains.

CIELCh(50, 63.437, 139.618)	3
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Color

CIELCh(50, 63.437, 139.618)

Conversions

Conversions Part 1

Format	Color
Hex	21892A
RGB	33, 137, 42
RGB Percent	13%, 54%, 16%
CMY	0.8699, 0.4623, 0.8348
CMYK	0.76, 0.00, 0.69, 0.46
HSL	125°, 61%, 33%
HSV	125°, 76%, 54%
XYZ	10.0149, 18.4187, 5.2283
YIQ	95.0740, -31.4890, -51.5930

Conversions

Conversions Part 2

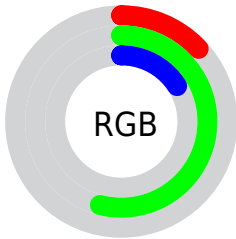
Format	Color
R_{YB}	33, 129, 137
Decimal	2197802
CIE _{Lab}	50.00, -48.32, 41.10
CIE _{LCh}	50, 63.437, 139.618
Yxy	18.4187, 0.2975, 0.5472
Android (android.graphics.Color)	4280387882 (0xFF21892A)
YUV	95.0740, -26.1655, -54.4389
Hunter-Lab	42.9170, -33.4506, 22.8190

Details

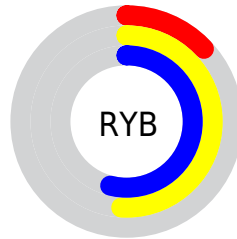
The CIELCh color **50, 63.437, 139.618** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **34, 61.364, 330.877**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 63.388, 139.601**, and **31, 54.279, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 68.708, 138.367**, and if you desaturate by 10%, it is **50, 56.916, 140.904**.

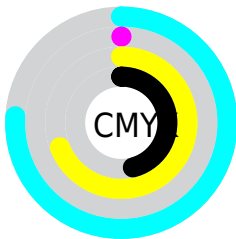
Distribution



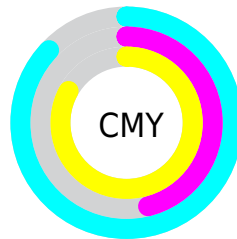
- Red (13%)
- Green (54%)
- Blue (16%)



- Red (13%)
- Yellow (51%)
- Blue (54%)



- Cyan (76%)
- Magenta (0%)
- Yellow (69%)
- Black (46%)





- Cyan (87%)
- Magenta (46%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 63.437, 139.618 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, 63.437, 139.618 by changing the saturation by 10% instead.


 50, 63.437,
139.618


 50, 63.437,
139.618


 100, 63.437,
139.618


 40, 63.437,
139.618


 70, 63.437,
139.618

 30, 63.437,
139.618


 80, 63.437,
139.618


 20, 63.437,
139.618

 90, 63.437,
139.618

 10, 63.437,
139.618

 0, 63.437, 139.618

 50, 63.437,
139.618

 50, 63.437,
139.618

■ 50, 68.708,
138.367

■ 50, 56.916,
140.904

■ 49, 72.515,
137.293

■ 51, 49.412,
142.136

■ 49, 73.726,
137.006

■ 52, 41.185,
143.262

■ 53, 32.468,
144.263

■ 54, 23.465,
145.136

■ 55, 14.344,
145.892

■ 56, 5.236, 146.562

■ 58, 3.761, 327.017

■ 59, 12.575,
327.530

Harmonies

Complementary

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



50, 63.437, 139.618



34, 61.364, 330.877

Rectangle

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



50, 63.437, 139.618



50, 63.437, 189.618



50, 63.437, 319.618



50, 63.437, 9.618

Sweetspot

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



50, 63.437, 139.619



69, 25.937, 145.319



55, 53.590, 108.028



35, 17.883, 145.065



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, 63.437, 139.619



64, 86.882, 137.555



51, 42.435, 159.171



28, 5.120, 146.342



48, 71.895, 137.042



1, 2.367, 146.854

Inverse Universe

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



34, 61.364, 330.877



42, 81.236, 331.603



32, 46.646, 359.765



27, 5.130, 327.332



30, 66.597, 331.871



0, 2.367, 326.849

Previews

White Background



This preview shows how the CIELCh color 50, 63.437, 139.618 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 CIELCh color 50, 63.437, 139.618 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, 63.437, 139.618

Background



This preview shows how black text looks on a background with the CIELCh color 50, 63.437, 139.618.



This preview shows how white text looks on a background with the CIELCh color 50, 63.437, 139.618.

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, 63.437, 139.618

Protanopia
49, 44.686, 95.571

Deuteranopia
50, 39.044, 79.820



Tritanopia
50, 21.294, 213.556

Trichromacy



Original Color
50, 63.437, 139.618



Protanomaly
49, 48.281, 120.048



Deuteranomaly
48, 41.065, 114.525

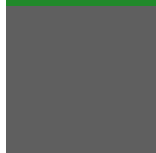


Tritanomaly
49, 32.317, 165.653

Monochromacy



Original Color
50, 63.437, 139.618



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 25.578, 144.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 63.437, 139.618 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(33, 137, 42)` looks like.

```
.text, #text, p{  
    color:rgb(33, 137, 42)  
}
```

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(33, 137, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 137, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 63.437, 139.618 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(33, 137, 42) }
```

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

```
.border{ border-color:rgb(33, 137, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 137, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 137, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 137, 42);  
box-shadow:4px 4px 4px 4px rgb(33, 137,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 63.437, 139.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 137, 42) }
```

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

```
.background{ background-color: rgb(33, 137,  
42) }
```

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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