

Converting Colors

CIELCh(47, 61.686, 139.588)

Have a look what the booklet for
CIELCh(47, 61.686, 139.588)
contains.

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Color

CIELCh(47, 61.820, 139.541)

Conversions

Conversions Part 1

Format	Color
Hex	1B8125
RGB	27, 129, 37
RGB Percent	11%, 51%, 15%
CMY	0.8951, 0.4947, 0.8555
CMYK	0.79, 0.00, 0.71, 0.49
HSL	126°, 66%, 31%
HSV	126°, 79%, 51%
XYZ	8.6052, 16.0195, 4.3757
YIQ	88.0140, -31.2600, -50.2360

Conversions

Conversions Part 2

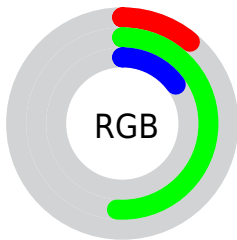
Format	Color
RYB	27, 120, 129
Decimal	1802533
CIELab	47.00, -47.04, 40.12
CIELCh	47, 61.820, 139.541
Yxy	16.0195, 0.2967, 0.5524
Android (android.graphics.Color)	4279992613 (0xFF1B8125)
YUV	88.0140, -25.1499, -53.5093
Hunter-Lab	40.0243, -31.6650, 21.5351

Details

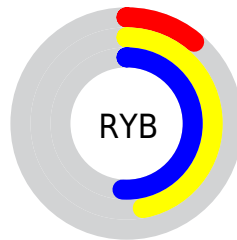
The CIELCh color **47, 61.820, 139.541** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **31, 59.399, 331.516**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 61.886, 139.534**, and **28, 50.766, 136.029** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.483, 138.278**, and if you desaturate by 10%, it is **47, 55.951, 140.853**.

Distribution



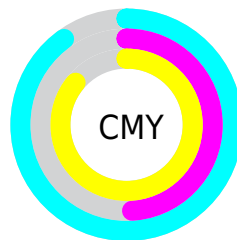
- Red (11%)
- Green (51%)
- Blue (15%)



- Red (11%)
- Yellow (47%)
- Blue (51%)



- Cyan (79%)
- Magenta (0%)
- Yellow (71%)
- Black (49%)





- Cyan (90%)
- Magenta (49%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 61.820, 139.541 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 47, 61.820, 139.541 by changing the saturation by 10% instead.


 47, 61.820,
139.541


 47, 61.820,
139.541


 100, 61.820,
139.541


 37, 61.820,
139.541

 67, 61.820,
139.541


 27, 61.820,
139.541

 77, 61.820,
139.541

 17, 61.820,
139.541

 87, 61.820,
139.541

 7, 61.820, 139.541

 97, 61.820,
139.541

 0, 61.820, 139.541

 47, 61.820,

 47, 61.820,

139.541

139.541

■ 47, 66.483,
138.278

■ 47, 55.951,
140.853

■ 47, 69.858,
137.295

■ 48, 49.110,
142.120

■ 47, 70.068,
137.247

■ 49, 41.535,
143.287

■ 49, 33.445,
144.329

■ 50, 25.033,
145.242

■ 51, 16.465,
146.034

■ 53, 7.873, 146.726

■ 54, 0.643, 326.965

Harmonies

Complementary

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



47, 61.820, 139.541



31, 59.399, 331.516

Rectangle

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



47, 61.820, 139.541



47, 61.820, 189.541



47, 61.820, 319.541



47, 61.820, 9.541

Sweetspot

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



47, 61.820, 139.542



65, 25.565, 145.627



52, 52.543, 107.935



33, 17.480, 145.384



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 61.820, 139.542



60, 84.122, 137.384



48, 41.689, 158.627



26, 4.757, 146.736



46, 69.521, 137.260



0, 0.000, 0.000

Inverse Universe

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



31, 59.399, 331.516



39, 77.632, 332.345



29, 45.693, 0.648



25, 4.767, 327.718



29, 64.119, 332.461



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 61.820, 139.541 looks on a white 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

Black Background



This preview shows how the CIE LCh color 47, 61.820, 139.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

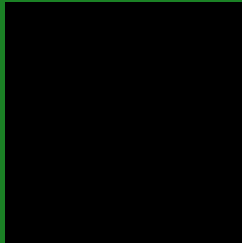
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 61.820, 139.541

Background



This preview shows how black text looks on a background with the CIELCh color 47, 61.820, 139.541.



This preview shows how white text looks on a background with the CIELCh color 47, 61.820, 139.541.

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


47, 61.820, 139.541

Protanopia

47, 43.722, 95.777

Deuteranopia

47, 38.421, 80.406



Tritanopia
47, 20.505, 214.395

Trichromacy



Original Color
47, 61.820, 139.541



Protanomaly
46, 46.926, 120.036



Deuteranomaly
45, 40.817, 115.185



Tritanomaly
46, 31.361, 165.436

Monochromacy



Original Color
47, 61.820, 139.541



Achromatopsia
37, 0.005, 296.813



Achromatomaly
40, 25.854, 144.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 61.820, 139.541 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(27, 129, 37)` looks like.

```
.text, #text, p{  
    color:rgb(27, 129, 37)  
}
```

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(27, 129, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 129, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 61.820, 139.541 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(27, 129, 37) }
```

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

```
.border{ border-color:rgb(27, 129, 37) }
```

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

Here you see how a box with a 4 pixel rgb(27, 129, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 129, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 129, 37);  
box-shadow:4px 4px 4px 4px rgb(27, 129,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 61.820, 139.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 129, 37) }
```

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

```
.background{ background-color: rgb(27, 129,  
37) }
```

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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