

Converting Colors

CIELCh(47, 53.799, 139.279)

Have a look what the booklet for
CIELCh(47, 53.799, 139.279)
contains.

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Color

CIELCh(47, 53.868, 139.255)

Conversions

Conversions Part 1

Format	Color
Hex	307F30
RGB	48, 127, 48
RGB Percent	19%, 50%, 19%
CMY	0.8118, 0.5020, 0.8118
CMYK	0.62, 0.00, 0.62, 0.50
HSL	120°, 45%, 34%
HSV	120°, 62%, 50%
XYZ	9.3411, 16.0195, 5.3957
YIQ	94.3730, -21.7250, -41.3170

Conversions

Conversions Part 2

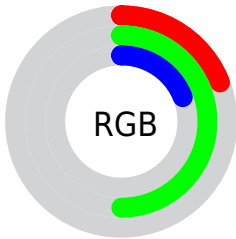
Format	Color
R_{YB}	48, 127, 127
Decimal	3178288
CIE _{Lab}	47.00, -40.81, 35.16
CIE _{LCh}	47, 53.868, 139.255
Yxy	16.0195, 0.3037, 0.5209
Android (android.graphics.Color)	4281368368 (0xFF307F30)
YUV	94.3730, -22.8619, -40.6691
Hunter-Lab	40.0243, -28.3832, 20.0241

Details

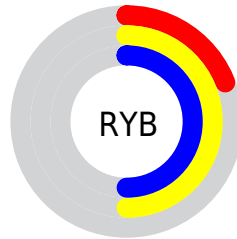
The CIELCh color **47, 53.868, 139.255** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **34, 53.302, 327.434**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 54.172, 139.276**, and **28, 50.313, 136.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 60.465, 138.174**, and if you desaturate by 10%, it is **48, 46.250, 140.339**.

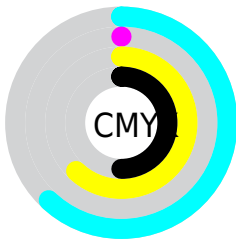
Distribution



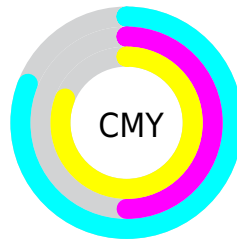
- Red (19%)
- Green (50%)
- Blue (19%)



- Red (19%)
- Yellow (50%)
- Blue (50%)



- Cyan (62%)
- Magenta (0%)
- Yellow (62%)
- Black (50%)





- Cyan (81%)
- Magenta (50%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.868, 139.255 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, 53.868, 139.255 by changing the saturation by 10% instead.


 47, 53.868,
139.255


 47, 53.868,
139.255


 100, 53.868,
139.255


 37, 53.868,
139.255

 67, 53.868,
139.255


 27, 53.868,
139.255

 77, 53.868,
139.255

 17, 53.868,
139.255

 87, 53.868,
139.255

 7, 53.868, 139.255

 97, 53.868,
139.255

 0, 53.868, 139.255

 47, 53.868,

 47, 53.868,

139.255

■ 47, 60.465,
138.174

■ 46, 65.702,
137.205

■ 46, 69.278,
136.481

■ 46, 71.446,
136.016

139.255

■ 48, 46.250,
140.339

■ 48, 37.919,
141.353

■ 49, 29.137,
142.264

■ 50, 20.114,
143.063

■ 52, 11.018,
143.756

■ 53, 1.973, 144.419

■ 54, 6.930, 324.797

■ 56, 15.631,
325.235

■ 58, 24.089,
325.600

Harmonies

Complementary

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



47, 53.868, 139.255



34, 53.302, 327.434

Rectangle

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



47, 53.868, 139.255



47, 53.868, 189.255



47, 53.868, 319.255



47, 53.868, 9.255

Sweetspot

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



47, 53.868, 139.256



65, 21.385, 143.264



52, 43.147, 104.649



34, 14.840, 143.086



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, 53.868, 139.256



60, 76.569, 137.708



48, 36.929, 156.923



26, 5.094, 143.954



46, 71.649, 136.016



0, 0.000, 0.000

Inverse Universe

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



34, 53.302, 327.434



42, 74.995, 327.873



33, 39.000, 350.631



25, 5.102, 324.898



30, 69.129, 328.233



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 53.868, 139.255 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, 53.868, 139.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

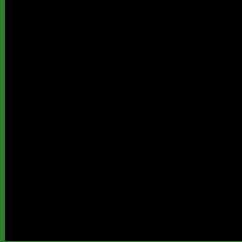
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 53.868, 139.255

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.868, 139.255.



This preview shows how white text looks on a background with the CIELCh color 47, 53.868, 139.255.

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, 53.868, 139.255

Protanopia

47, 38.810, 95.496

Deuteranopia

47, 33.789, 80.515



Tritanopia
47, 17.889, 217.222

Trichromacy



Original Color
47, 53.868, 139.255

Protanomaly
46, 41.281, 118.292

Deuteranomaly
46, 35.480, 112.835

Tritanomaly
47, 26.168, 166.729

Monochromacy



Original Color
47, 53.868, 139.255

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 21.363, 142.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.868, 139.255 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(48, 127, 48)` looks like.

```
.text, #text, p{  
    color:rgb(48, 127, 48)  
}
```

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(48, 127, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 127, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.868, 139.255 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(48, 127, 48) }
```

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

```
.border{ border-color:rgb(48, 127, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 127, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 127, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 127, 48);  
box-shadow:4px 4px 4px 4px rgb(48, 127,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.868, 139.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 127, 48) }
```

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

```
.background{ background-color: rgb(48, 127,  
48) }
```

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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