

Converting Colors

CIELCh(47, 54.474, 139.963)

Have a look what the booklet for
CIELCh(47, 54.474, 139.963)
contains.

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Color

CIELCh(47, 54.341, 139.863)

Conversions

Conversions Part 1

Format	Color
Hex	2D7F30
RGB	45, 127, 48
RGB Percent	18%, 50%, 19%
CMY	0.8224, 0.5010, 0.8109
CMYK	0.64, 0.00, 0.62, 0.50
HSL	122°, 48%, 34%
HSV	122°, 64%, 50%
XYZ	9.2524, 16.0195, 5.4244
YIQ	93.4760, -23.5130, -41.9530

Conversions

Conversions Part 2

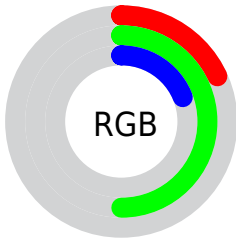
Format	Color
R_{YB}	45, 124, 127
Decimal	2981680
CIE Lab	47.00, -41.54, 35.03
CIE LCh	47, 54.341, 139.863
Yxy	16.0195, 0.3014, 0.5219
Android (android.graphics.Color)	4281171760 (0xFF2D7F30)
YUV	93.4760, -22.4197, -42.5135
Hunter-Lab	40.0243, -28.7787, 19.9815




Details

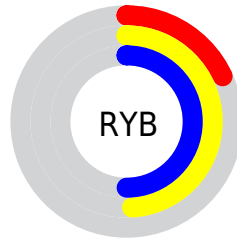
The CIELCh color **47, 54.341, 139.863** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **34, 53.556, 328.636**, and the grayscale version is **40, 0.006, 296.813**.




A 20% lighter version of the original color is **67, 54.552, 139.797**, and **28, 50.313, 136.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 60.694, 138.703**, and if you desaturate by 10%, it is **48, 46.995, 141.007**.

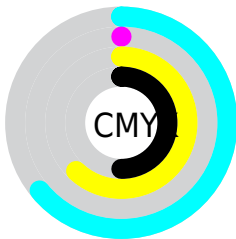
Distribution







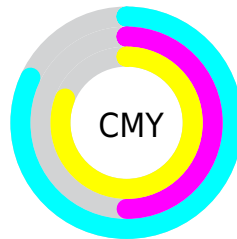
-  Red (18%)
-  Green (50%)
-  Blue (19%)






-  Red (18%)
-  Yellow (49%)
-  Blue (50%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (62%)
-  Black (50%)



-  Cyan (82%)
-  Magenta (50%)
-  Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 54.341, 139.863 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, 54.341, 139.863 by changing the saturation by 10% instead.

 47, 54.341,
139.863

 47, 54.341,
139.863

 100, 54.341,
139.863

 37, 54.341,
139.863

 67, 54.341,
139.863

 27, 54.341,
139.863

 77, 54.341,
139.863

 17, 54.341,
139.863

 87, 54.341,
139.863

 7, 54.341, 139.863

 97, 54.341,
139.863

 0, 54.341, 139.863

 47, 54.341,

 47, 54.341,

139.863

139.863

■ 47, 60.694,
138.703

■ 48, 46.995,
141.007

■ 46, 65.753,
137.626

■ 48, 38.936,
142.068

■ 46, 69.265,
136.773

■ 49, 30.409,
143.019

■ 46, 70.759,
136.469

■ 50, 21.620,
143.852

■ 51, 12.732,
144.574

■ 53, 3.873, 145.222

■ 54, 4.866, 325.657

■ 56, 13.418,
326.129

■ 57, 21.743,
326.516

Harmonies

Complementary

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



47, 54.341, 139.863



34, 53.556, 328.636

Rectangle

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



47, 54.341, 139.863



47, 54.341, 189.863



47, 54.341, 319.863



47, 54.341, 9.863

Sweetspot

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



47, 54.341, 139.863



65, 20.869, 144.223



52, 44.505, 106.131



34, 14.482, 144.044



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, 54.341, 139.863



60, 76.519, 138.211



48, 36.948, 158.336



26, 4.970, 144.921



46, 70.865, 136.468



0, 0.000, 0.000

Inverse Universe

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



34, 53.556, 328.636



41, 74.286, 329.141



32, 39.605, 353.273



25, 4.979, 325.876



29, 67.270, 329.666



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 54.341, 139.863 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 CIELCh color 47, 54.341, 139.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

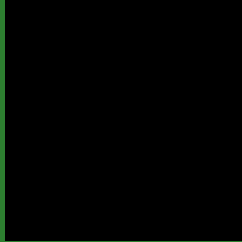
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 54.341, 139.863

Background



This preview shows how black text looks on a background with the CIELCh color 47, 54.341, 139.863.



This preview shows how white text looks on a background with the CIELCh color 47, 54.341, 139.863.

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, 54.341, 139.863

Protanopia
47, 38.810, 95.496

Deuteranopia
47, 33.289, 80.228



Tritanopia
47, 18.388, 216.628

Trichromacy



Original Color
47, 54.341, 139.863

Protanomaly
46, 41.399, 118.885

Deuteranomaly
46, 35.040, 113.744

Tritanomaly
47, 26.895, 167.512

Monochromacy



Original Color
47, 54.341, 139.863

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 21.604, 143.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 54.341, 139.863 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(45, 127, 48)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 127, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 127, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 54.341, 139.863 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(45, 127, 48) }
```

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

```
.border{ border-color:rgb(45, 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(45, 127, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 127, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 127, 48);  
box-shadow:4px 4px 4px 4px rgb(45, 127,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 54.341, 139.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 127, 48) }
```

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

```
.background{ background-color: rgb(45, 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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