

Converting Colors

CIELCh(47, 39.863, 144.931)

Have a look what the booklet for
CIELCh(47, 39.863, 144.931)
contains.

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Color

CIELCh(47, 40.362, 144.779)

Conversions

Conversions Part 1

Format	Color
Hex	3D7D47
RGB	61, 125, 71
RGB Percent	24%, 49%, 28%
CMY	0.7620, 0.5110, 0.7227
CMYK	0.51, 0.00, 0.43, 0.51
HSL	129°, 35%, 36%
HSV	129°, 51%, 49%
XYZ	10.3258, 16.0195, 8.4600
YIQ	99.7080, -20.8100, -30.3620

Conversions

Conversions Part 2

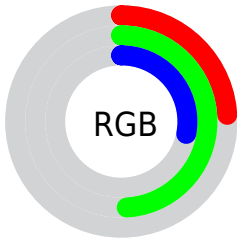
Format	Color
R_{YB}	61, 116, 125
Decimal	4029767
CIE Lab	47.00, -32.97, 23.28
CIE LCh	47, 40.362, 144.779
Yxy	16.0195, 0.2967, 0.4603
Android (android.graphics.Color)	4282219847 (0xFF3D7D47)
YUV	99.7080, -14.1530, -33.9469
Hunter-Lab	40.0243, -23.9917, 15.4849




Details

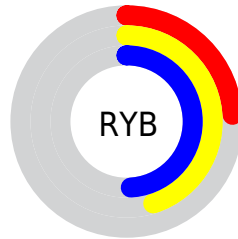
The CIELCh color $47, 40.362, 144.779$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 40.200, 332.141$, and the grayscale version is $42, 0.006, 296.813$.




A 20% lighter version of the original color is $67, 40.322, 144.750$, and $27, 40.171, 144.969$ is the 20% darker color. If you saturate the color by 10%, you get $46, 47.381, 143.544$, and if you desaturate by 10%, it is $48, 32.861, 145.875$.

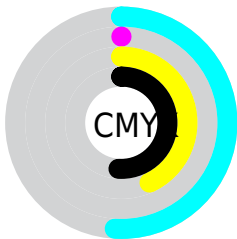
Distribution







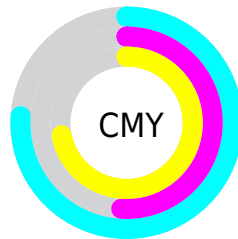
-  Red (24%)
-  Green (49%)
-  Blue (28%)






-  Red (24%)
-  Yellow (45%)
-  Blue (49%)



-  Cyan (51%)
-  Magenta (0%)
-  Yellow (43%)
-  Black (51%)





-  Cyan (76%)
-  Magenta (51%)
-  Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 40.362, 144.779 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, 40.362, 144.779 by changing the saturation by 10% instead.


 47, 40.362,
144.779


 47, 40.362,
144.779


 100, 40.362,
144.779


 37, 40.362,
144.779

 67, 40.362,
144.779


 27, 40.362,
144.779

 77, 40.362,
144.779

 17, 40.362,
144.779

 87, 40.362,
144.779

 7, 40.362, 144.779

 97, 40.362,
144.779

 0, 40.362, 144.779

 47, 40.362,

 47, 40.362,

144.779

144.779

■ 46, 47.381,
143.544

■ 48, 32.861,
145.875

■ 46, 53.735,
142.183

■ 49, 25.043,
146.833

■ 46, 59.240,
140.738

■ 50, 17.059,
147.665

■ 45, 63.723,
139.283

■ 51, 9.029, 148.392

■ 45, 66.815,
138.246

■ 52, 1.051, 149.186

■ 53, 6.804, 329.491

■ 55, 14.485,
329.972

■ 57, 21.959,
330.383

■ 58, 29.208,

Harmonies

Complementary

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



47, 40.362, 144.779



36, 40.200, 332.141

Rectangle

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



47, 40.362, 144.779



47, 40.362, 194.779



47, 40.362, 324.779



47, 40.362, 14.779

Sweetspot

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



47, 40.363, 144.779



65, 14.922, 148.110



50, 36.153, 112.472



33, 10.135, 147.985



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 40.363, 144.779



60, 59.406, 143.257



48, 27.007, 167.233



25, 4.413, 148.547



45, 66.924, 138.242



87, 114.764, 137.468

Inverse Universe

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



36, 40.200, 332.141



43, 58.483, 332.903



35, 30.416, 358.895



24, 4.424, 329.553



28, 60.518, 335.352



58, 101.239, 335.804

Previews

White Background



This preview shows how the CIELCh color 47, 40.362, 144.779 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, 40.362, 144.779 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, 40.362, 144.779

Background



This preview shows how black text looks on a background with the CIELCh color 47, 40.362, 144.779.



This preview shows how white text looks on a background with the CIELCh color 47, 40.362, 144.779.

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, 40.362, 144.779

Protanopia

47, 26.578, 96.418

Deuteranopia

47, 22.375, 73.613



Tritanopia
47, 16.067, 219.727

Trichromacy



Original Color
47, 40.362, 144.779

Protanomaly
46, 28.743, 121.718

Deuteranomaly
46, 23.433, 113.553

Tritanomaly
47, 20.548, 175.051

Monochromacy



Original Color
47, 40.362, 144.779

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 14.945, 148.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 40.362, 144.779 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(61, 125, 71)` looks like.

```
.text, #text, p{  
    color:rgb(61, 125, 71)  
}
```

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(61, 125, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 125, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 40.362, 144.779 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(61, 125, 71) }
```

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

```
.border{ border-color:rgb(61, 125, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 125, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 125, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 125, 71);  
box-shadow:4px 4px 4px 4px rgb(61, 125,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 40.362, 144.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 125, 71) }
```

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

```
.background{ background-color: rgb(61, 125,  
71) }
```

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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