

Converting Colors

CIELCh(47, 45.001, 140.408)

Have a look what the booklet for
CIELCh(47, 45.001, 140.408)
contains.

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Color

CIELCh(47, 44.859, 140.453)

Conversions

Conversions Part 1

Format	Color
Hex	3D7D3D
RGB	61, 125, 61
RGB Percent	24%, 49%, 24%
CMY	0.7605, 0.5095, 0.7605
CMYK	0.51, 0.00, 0.51, 0.51
HSL	120°, 34%, 37%
HSV	120°, 51%, 49%
XYZ	10.1171, 16.0195, 6.9838
YIQ	98.5680, -17.6000, -33.4720

Conversions

Conversions Part 2

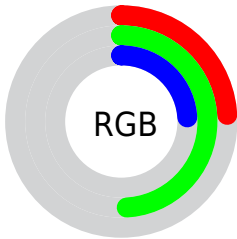
Format	Color
RYB	61, 125, 125
Decimal	4029757
CIELab	47.00, -34.59, 28.56
CIELCh	47, 44.859, 140.453
Yxy	16.0195, 0.3055, 0.4837
Android (android.graphics.Color)	4282219837 (0xFF3D7D3D)
YUV	98.5680, -18.5210, -32.9471
Hunter-Lab	40.0243, -24.9222, 17.6716

Details

The CIELCh color $47, 44.859, 140.453$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 44.636, 326.995$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 44.734, 140.635$, and $27, 44.532, 140.410$ is the 20% darker color. If you saturate the color by 10%, you get $46, 52.477, 139.377$, and if you desaturate by 10%, it is $48, 36.571, 141.456$.

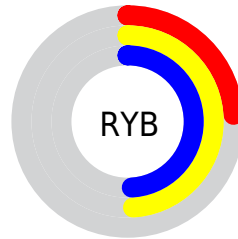
Distribution



Red (24%)

Green (49%)

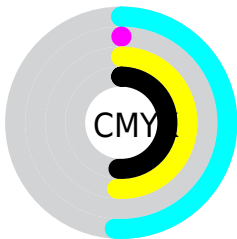
Blue (24%)



Red (24%)

Yellow (49%)

Blue (49%)

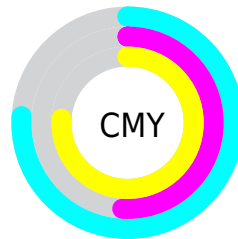


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (51%)



Cyan (76%)

Magenta (51%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 44.859, 140.453 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, 44.859, 140.453 by changing the saturation by 10% instead.

 47, 44.859,
140.453

 47, 44.859,
140.453

 100, 44.859,
140.453

 37, 44.859,
140.453

 67, 44.859,
140.453

 27, 44.859,
140.453

 77, 44.859,
140.453

 17, 44.859,
140.453

 87, 44.859,
140.453

 7, 44.859, 140.453

 97, 44.859,
140.453

 0, 44.859, 140.453

 47, 44.859,

 47, 44.859,

140.453

■ 46, 52.477,
139.377

■ 46, 59.123,
138.292

■ 46, 64.466,
137.305

■ 45, 68.200,
136.549

■ 45, 70.667,
136.015

140.453

■ 48, 36.571,
141.456

■ 49, 27.862,
142.353

■ 50, 18.937,
143.138

■ 51, 9.954, 143.820

■ 52, 1.032, 144.554

■ 54, 7.742, 324.843

■ 55, 16.312,
325.271

■ 57, 24.641,
325.629

■ 59, 32.709,

Harmonies

Complementary

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



47, 44.859, 140.453



36, 44.636, 326.995

Rectangle

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



47, 44.859, 140.453



47, 44.859, 190.453



47, 44.859, 320.453



47, 44.859, 10.453

Sweetspot

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



47, 44.860, 140.453



65, 16.647, 143.546



51, 35.346, 104.766



33, 11.308, 143.429



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, 44.860, 140.453



60, 64.818, 139.235



48, 31.163, 157.662



26, 5.094, 143.951



46, 71.649, 136.015



0, 0.000, 0.000

Inverse Universe

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



36, 44.636, 326.995



44, 64.130, 327.437



35, 32.702, 347.868



25, 5.102, 324.895



30, 69.130, 328.229



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 44.859, 140.453 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, 44.859, 140.453 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, 44.859, 140.453

Background



This preview shows how black text looks on a background with the CIELCh color 47, 44.859, 140.453.



This preview shows how white text looks on a background with the CIELCh color 47, 44.859, 140.453.

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, 44.859, 140.453

Protanopia

47, 32.071, 96.375

Deuteranopia

47, 27.468, 76.926



Tritanopia
47, 15.397, 218.367

Trichromacy



Original Color
47, 44.859, 140.453

Protanomaly
46, 33.880, 118.091

Deuteranomaly
46, 28.374, 110.872

Tritanomaly
47, 21.873, 167.857

Monochromacy



Original Color
47, 44.859, 140.453

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 16.883, 143.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 44.859, 140.453 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, 61)` looks like.

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

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, 61) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 47, 44.859, 140.453 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, 61) }
```

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

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

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, 61)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 47, 44.859, 140.453 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, 61) }
```

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

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

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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