

Converting Colors

CIELCh(45, 35.807, 141.354)

Have a look what the booklet for
CIELCh(45, 35.807, 141.354)
contains.

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Color

CIELCh(45, 35.847, 141.367)

Conversions

Conversions Part 1

Format	Color
Hex	447644
RGB	68, 118, 68
RGB Percent	27%, 46%, 27%
CMY	0.7342, 0.5381, 0.7341
CMYK	0.42, 0.00, 0.42, 0.54
HSL	120°, 27%, 36%
HSV	120°, 42%, 46%
XYZ	9.8591, 14.5417, 7.7239
YIQ	97.3500, -13.7500, -26.1500

Conversions

Conversions Part 2

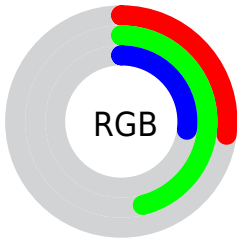
Format	Color
RYB	68, 118, 118
Decimal	4486724
CIELab	45.00, -28.00, 22.38
CIElCh	45, 35.847, 141.367
Yxy	14.5417, 0.3069, 0.4527
Android (android.graphics.Color)	4282676804 (0xFF447644)
YUV	97.3500, -14.4695, -25.7399
Hunter-Lab	38.1336, -20.5843, 14.6844

Details

The CIELCh color **45, 35.847, 141.367** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 35.771, 326.602**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 36.004, 141.376**, and **25, 35.949, 141.262** is the 20% darker color. If you saturate the color by 10%, you get **44, 43.685, 140.362**, and if you desaturate by 10%, it is **46, 27.591, 142.271**.

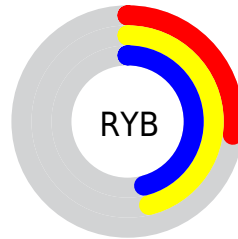
Distribution



Red (27%)

Green (46%)

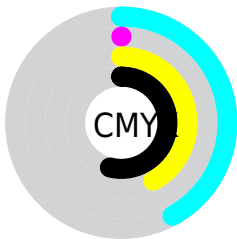
Blue (27%)



Red (27%)

Yellow (46%)

Blue (46%)

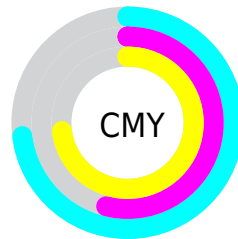


Cyan (42%)

Magenta (0%)

Yellow (42%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.847, 141.367 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 45, 35.847, 141.367 by changing the saturation by 10% instead.


 45, 35.847,
141.367


 45, 35.847,
141.367


 100, 35.847,
141.367


 35, 35.847,
141.367

 65, 35.847,
141.367


 25, 35.847,
141.367

 75, 35.847,
141.367

 15, 35.847,
141.367

 85, 35.847,
141.367

 5, 35.847, 141.367

 95, 35.847,
141.367

 0, 35.847, 141.367

 45, 35.847,

 45, 35.847,

141.367

141.367

■ 44, 43.685,
140.362

■ 46, 27.591,
142.271

■ 44, 50.863,
139.287

■ 47, 19.111,
143.064

■ 43, 57.096,
138.212

■ 48, 10.561,
143.753

■ 43, 62.071,
137.243

■ 49, 2.058, 144.404

■ 43, 65.514,
136.509

■ 51, 6.315, 324.788

■ 43, 67.681,
136.019

■ 52, 14.500,
325.226

■ 54, 22.460,
325.591

■ 55, 30.177,
325.900

■ 57, 37.641,
326.164

Harmonies

Complementary

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



45, 35.847, 141.367



36, 35.771, 326.602

Rectangle

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



45, 35.847, 141.367



45, 35.847, 191.367



45, 35.847, 321.367



45, 35.847, 11.367

Sweetspot

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



45, 35.848, 141.367



61, 13.672, 143.696



48, 28.660, 106.298



31, 9.518, 143.577



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 35.848, 141.367



57, 52.644, 140.379



46, 24.602, 159.642



24, 4.749, 143.968



44, 69.571, 136.019



86, 117.955, 136.017

Inverse Universe

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



36, 35.771, 326.602



44, 52.364, 327.038



35, 25.804, 347.690



23, 4.757, 324.896



28, 67.117, 328.242



59, 113.789, 328.242

Previews

White Background



This preview shows how the CIELCh color 45, 35.847, 141.367 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 45, 35.847, 141.367 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 45, 35.847, 141.367

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.847, 141.367.



This preview shows how white text looks on a background with the CIELCh color 45, 35.847, 141.367.

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

45, 35.847, 141.367

Protanopia

45, 25.650, 95.980

Deuteranopia

45, 21.305, 72.965



Tritanopia
45, 13.159, 222.443

Trichromacy



Original Color
45, 35.847, 141.367

Protanomaly
44, 26.775, 118.188

Deuteranomaly
44, 21.764, 109.431

Tritanomaly
45, 17.098, 172.627

Monochromacy



Original Color
45, 35.847, 141.367

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.005, 143.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.847, 141.367 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(68, 118, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 118, 68)  
}
```

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(68, 118, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 118, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.847, 141.367 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(68, 118, 68) }
```

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

```
.border{ border-color:rgb(68, 118, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 118, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 118, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 118, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 118,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.847, 141.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 118, 68) }
```

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

```
.background{ background-color: rgb(68, 118,  
68) }
```

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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