

Converting Colors

CIELCh(45, 39.484, 141.325)

Have a look what the booklet for
CIELCh(45, 39.484, 141.325)
contains.

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Color

CIELCh(45, 39.405, 141.359)

Conversions

Conversions Part 1

Format	Color
Hex	3F7740
RGB	63, 119, 64
RGB Percent	25%, 47%, 25%
CMY	0.7540, 0.5344, 0.7500
CMYK	0.47, 0.00, 0.46, 0.53
HSL	121°, 31%, 36%
HSV	121°, 47%, 47%
XYZ	9.5137, 14.5417, 7.1176
YIQ	95.9860, -15.7210, -28.9770

Conversions

Conversions Part 2

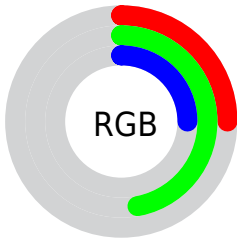
Format	Color
RYB	63, 118, 119
Decimal	4159296
CIELab	45.00, -30.78, 24.61
CIELCh	45, 39.405, 141.359
Yxy	14.5417, 0.3052, 0.4665
Android (android.graphics.Color)	4282349376 (0xFF3F7740)
YUV	95.9860, -15.7691, -28.9287
Hunter-Lab	38.1336, -22.2009, 15.6271

Details

The CIELCh color **45, 39.405, 141.359** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 39.260, 327.337**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 39.497, 141.614**, and **25, 39.530, 141.390** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.947, 140.298**, and if you desaturate by 10%, it is **46, 31.354, 142.323**.

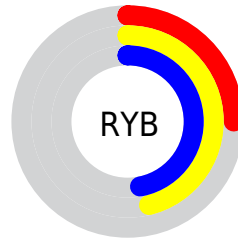
Distribution



Red (25%)

Green (47%)

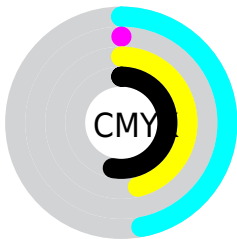
Blue (25%)



Red (25%)

Yellow (46%)

Blue (47%)

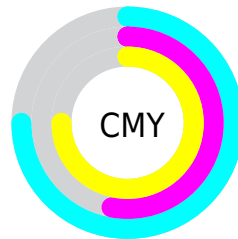


Cyan (47%)

Magenta (0%)

Yellow (46%)

Black (53%)



Cyan (75%)


Magenta (53%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.405, 141.359 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, 39.405, 141.359 by changing the saturation by 10% instead.


 45, 39.405,
141.359


 45, 39.405,
141.359


 100, 39.405,
141.359


 35, 39.405,
141.359

 65, 39.405,
141.359


 25, 39.405,
141.359

 75, 39.405,
141.359

 15, 39.405,
141.359


 85, 39.405,
141.359

 5, 39.405, 141.359

 95, 39.405,
141.359

 0, 39.405, 141.359

 45, 39.405,

 45, 39.405,

141.359

■ 44, 46.947,
140.298

■ 44, 53.728,
139.180

■ 43, 59.463,
138.085

■ 43, 63.855,
137.129

■ 43, 66.854,
136.443

■ 43, 67.657,
136.266

141.359

■ 46, 31.354,
142.323

■ 47, 23.001,
143.174

■ 48, 14.515,
143.915

■ 49, 6.026, 144.564

■ 50, 2.369, 324.998

■ 52, 10.602,
325.516

■ 53, 18.626,
325.916

■ 55, 26.416,
326.255

■ 57, 33.958,
326.544

Harmonies

Complementary

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



45, 39.405, 141.359



35, 39.260, 327.337

Rectangle

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



45, 39.405, 141.359



45, 39.405, 191.359



45, 39.405, 321.359



45, 39.405, 11.359

Sweetspot

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



45, 39.406, 141.359



62, 14.750, 144.105



49, 31.870, 106.659



32, 10.270, 143.985



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 39.406, 141.359



57, 58.232, 140.155



46, 26.947, 159.932



24, 4.691, 144.448



44, 69.168, 136.258



86, 117.667, 136.118

Inverse Universe

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



35, 39.260, 327.337



43, 57.708, 327.827



34, 28.512, 349.310



23, 4.699, 325.380



28, 66.211, 328.943



59, 112.168, 328.984

Previews

White Background



This preview shows how the CIELCh color 45, 39.405, 141.359 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, 39.405, 141.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

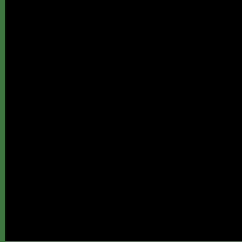
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 39.405, 141.359

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.405, 141.359.



This preview shows how white text looks on a background with the CIELCh color 45, 39.405, 141.359.

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, 39.405, 141.359

Protanopia

45, 27.857, 96.420

Deuteranopia

45, 23.609, 74.719



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 39.405, 141.359

Protanomaly
45, 29.647, 118.523

Deuteranomaly
44, 24.061, 109.980

Tritanomaly
45, 18.642, 170.574

Monochromacy



Original Color
45, 39.405, 141.359

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.771, 143.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.405, 141.359 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(63, 119, 64)` looks like.

```
.text, #text, p{  
    color:rgb(63, 119, 64)  
}
```

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(63, 119, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 119, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.405, 141.359 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(63, 119, 64) }
```

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

```
.border{ border-color:rgb(63, 119, 64) }
```

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

Here you see how a box with a 4 pixel rgb(63, 119, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 119, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 119, 64);  
box-shadow:4px 4px 4px 4px rgb(63, 119,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.405, 141.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 119, 64) }
```

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

```
.background{ background-color: rgb(63, 119,  
64) }
```

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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