

Converting Colors

CIELCh(45, 40.025, 140.915)

Have a look what the booklet for
CIELCh(45, 40.025, 140.915)
contains.

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Color

CIELCh(45, 39.866, 140.904)

Conversions

Conversions Part 1

Format	Color
Hex	3F773F
RGB	63, 119, 63
RGB Percent	25%, 47%, 25%
CMY	0.7539, 0.5343, 0.7538
CMYK	0.47, 0.00, 0.47, 0.53
HSL	120°, 31%, 36%
HSV	120°, 47%, 47%
XYZ	9.4939, 14.5417, 6.9769
YIQ	95.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

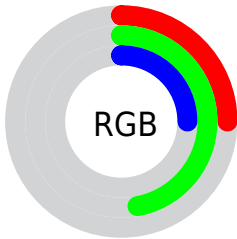
Format	Color
RYB	63, 119, 119
Decimal	4159295
CIELab	45.00, -30.94, 25.14
CIElCh	45, 39.866, 140.904
Yxy	14.5417, 0.3061, 0.4689
Android (android.graphics.Color)	4282349375 (0xFF3F773F)
YUV	95.8720, -16.2059, -28.8287
Hunter-Lab	38.1336, -22.2937, 15.8459

Details

The CIELCh color **45, 39.866, 140.904** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 39.728, 326.822**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 39.947, 141.183**, and **25, 39.936, 140.954** is the 20% darker color. If you saturate the color by 10%, you get **44, 47.474, 139.859**, and if you desaturate by 10%, it is **46, 31.727, 141.860**.

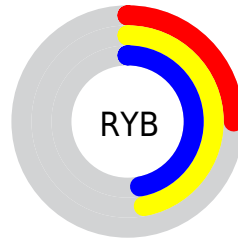
Distribution



Red (25%)

Green (47%)

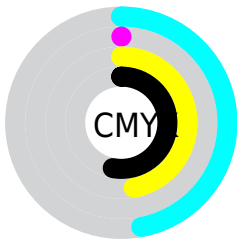
Blue (25%)



Red (25%)

Yellow (47%)

Blue (47%)

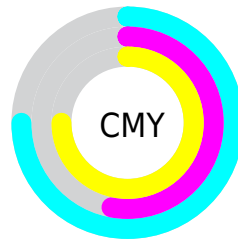


Cyan (47%)

Magenta (0%)

Yellow (47%)

Black (53%)



Cyan (75%)


Magenta (53%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.866, 140.904 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, 39.866, 140.904 by changing the saturation by 10% instead.


 45, 39.866,
140.904


 45, 39.866,
140.904


 100, 39.866,
140.904


 35, 39.866,
140.904

 65, 39.866,
140.904


 25, 39.866,
140.904

 75, 39.866,
140.904

 15, 39.866,
140.904

 85, 39.866,
140.904

 5, 39.866, 140.904

 95, 39.866,
140.904

 0, 39.866, 140.904

 45, 39.866,

 45, 39.866,

140.904

■ 44, 47.474,
139.859

■ 44, 54.286,
138.772

■ 43, 59.997,
137.730

■ 43, 64.295,
136.858

■ 43, 67.250,
136.210

■ 43, 68.079,
136.021

140.904

■ 46, 31.727,
141.860

■ 47, 23.275,
142.706

■ 48, 14.684,
143.442

■ 49, 6.089, 144.088

■ 50, 2.411, 324.522

■ 52, 10.745,
325.035

■ 53, 18.869,
325.431

■ 55, 26.754,
325.765

■ 57, 34.387,
326.049

Harmonies

Complementary

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



45, 39.866, 140.904



36, 39.728, 326.822

Rectangle

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



45, 39.866, 140.904



45, 39.866, 190.904



45, 39.866, 320.904



45, 39.866, 10.904

Sweetspot

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



45, 39.867, 140.904



62, 14.930, 143.630



49, 31.868, 105.887



32, 10.396, 143.511



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, 39.867, 140.904



57, 58.878, 139.718



46, 27.328, 159.062



24, 4.749, 143.972



44, 69.568, 136.021



86, 117.953, 136.018

Inverse Universe

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



36, 39.728, 326.822



43, 58.395, 327.291



34, 28.765, 348.294



23, 4.756, 324.899



28, 67.111, 328.247



59, 113.778, 328.247

Previews

White Background



This preview shows how the CIELCh color 45, 39.866, 140.904 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, 39.866, 140.904 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, 39.866, 140.904

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.866, 140.904.



This preview shows how white text looks on a background with the CIELCh color 45, 39.866, 140.904.

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, 39.866, 140.904

Protanopia

45, 28.496, 95.569

Deuteranopia

45, 24.118, 75.324



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 39.866, 140.904

Protanomaly
45, 30.180, 118.247

Deuteranomaly
44, 24.625, 109.829

Tritanomaly
45, 18.642, 170.574

Monochromacy



Original Color
45, 39.866, 140.904

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, 39.866, 140.904 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, 63)` looks like.

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

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, 63) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 45, 39.866, 140.904 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, 63) }
```

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

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

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, 63) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 45, 39.866, 140.904 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, 63) }
```

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

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

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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