

Converting Colors

CIELCh(45, 38.774, 141.022)

Have a look what the booklet for
CIELCh(45, 38.774, 141.022)
contains.

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Color

CIELCh(45, 38.567, 141.037)

Conversions

Conversions Part 1

Format	Color
Hex	407640
RGB	64, 118, 64
RGB Percent	25%, 46%, 25%
CMY	0.7473, 0.5355, 0.7474
CMYK	0.46, 0.00, 0.46, 0.54
HSL	120°, 30%, 36%
HSV	120°, 46%, 46%
XYZ	9.6112, 14.5417, 7.2119
YIQ	95.6980, -14.8500, -28.2420

Conversions

Conversions Part 2

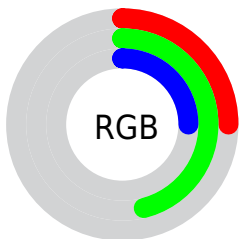
Format	Color
RYB	64, 118, 118
Decimal	4224576
CIELab	45.00, -29.99, 24.25
CIELCh	45, 38.567, 141.037
Yxy	14.5417, 0.3064, 0.4636
Android (android.graphics.Color)	4282414656 (0xFF407640)
YUV	95.6980, -15.6271, -27.7991
Hunter-Lab	38.1336, -21.7445, 15.4805

Details

The CIELCh color **45, 38.567, 141.037** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 38.454, 326.725**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 38.663, 141.241**, and **25, 38.618, 140.958** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.258, 140.006**, and if you desaturate by 10%, it is **46, 30.384, 141.975**.

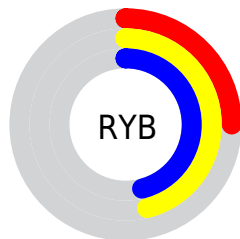
Distribution



Red (25%)

Green (46%)

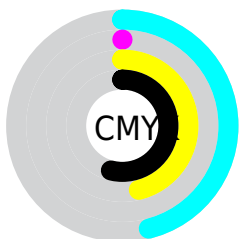
Blue (25%)



Red (25%)

Yellow (46%)

Blue (46%)

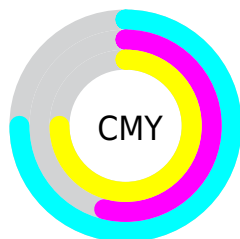


Cyan (46%)

Magenta (0%)

Yellow (46%)

Black (54%)



Cyan (75%)


Magenta (54%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.567, 141.037 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, 38.567, 141.037 by changing the saturation by 10% instead.


 45, 38.567,
141.037


 45, 38.567,
141.037


 100, 38.567,
141.037


 35, 38.567,
141.037

 65, 38.567,
141.037


 25, 38.567,
141.037

 75, 38.567,
141.037

 15, 38.567,
141.037

 85, 38.567,
141.037

 5, 38.567, 141.037

 95, 38.567,
141.037

 0, 38.567, 141.037

 45, 38.567,

 45, 38.567,

141.037

■ 44, 46.258,
140.006

■ 44, 53.198,
138.923

■ 43, 59.088,
137.870

■ 43, 63.614,
136.966

■ 43, 66.686,
136.301

■ 43, 67.955,
136.012

141.037

■ 46, 30.384,
141.975

■ 47, 21.918,
142.803

■ 48, 13.336,
143.523

■ 49, 4.768, 144.159

■ 50, 3.692, 324.597

■ 52, 11.979,
325.075

■ 53, 20.051,
325.459

■ 55, 27.882,
325.785

■ 57, 35.461,
326.062

Harmonies

Complementary

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



45, 38.567, 141.037



36, 38.454, 326.725

Rectangle

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



45, 38.567, 141.037



45, 38.567, 191.037



45, 38.567, 321.037



45, 38.567, 11.037

Sweetspot

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



45, 38.568, 141.037



61, 14.730, 143.608



48, 30.376, 105.276



31, 10.117, 143.493



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, 38.568, 141.037



57, 56.322, 139.928



46, 26.815, 158.406



24, 4.749, 143.947



44, 69.572, 136.012



86, 117.956, 136.014

Inverse Universe

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



36, 38.454, 326.725



43, 55.923, 327.180



35, 28.063, 347.105



23, 4.757, 324.874



28, 67.131, 328.211



59, 113.814, 328.209

Previews

White Background



This preview shows how the CIELCh color 45, 38.567, 141.037 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, 38.567, 141.037 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, 38.567, 141.037

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.567, 141.037.



This preview shows how white text looks on a background with the CIELCh color 45, 38.567, 141.037.

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, 38.567, 141.037

Protanopia
45, 27.308, 96.322

Deuteranopia
45, 23.101, 74.084



Tritanopia
45, 13.733, 221.314

Trichromacy



Original Color
45, 38.567, 141.037

Protanomaly
45, 29.111, 118.807

Deuteranomaly
44, 23.471, 109.022

Tritanomaly
45, 18.345, 170.152

Monochromacy



Original Color
45, 38.567, 141.037

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.029, 143.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.567, 141.037 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(64, 118, 64)` looks like.

```
.text, #text, p{  
    color:rgb(64, 118, 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(64, 118, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 118, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.567, 141.037 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(64, 118, 64) }
```

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

```
.border{ border-color:rgb(64, 118, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 118, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 118, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 118, 64);  
box-shadow:4px 4px 4px 4px rgb(64, 118,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.567, 141.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 118, 64) }
```

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

```
.background{ background-color: rgb(64, 118,  
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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