

Converting Colors

CIELCh(46, 37.437, 141.215)

Have a look what the booklet for
CIELCh(46, 37.437, 141.215)
contains.

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Color

CIELCh(46, 37.766, 141.218)

Conversions

Conversions Part 1

Format	Color
Hex	447944
RGB	68, 121, 68
RGB Percent	27%, 47%, 27%
CMY	0.7340, 0.5262, 0.7340
CMYK	0.44, 0.00, 0.44, 0.53
HSL	120°, 28%, 37%
HSV	120°, 44%, 47%
XYZ	10.2252, 15.2687, 7.8504
YIQ	99.1110, -14.5750, -27.7190

Conversions

Conversions Part 2

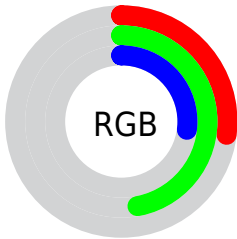
Format	Color
RYB	68, 121, 121
Decimal	4487492
CIELab	46.00, -29.44, 23.66
CIElCh	46, 37.766, 141.218
Yxy	15.2687, 0.3067, 0.4579
Android (android.graphics.Color)	4282677572 (0xFF447944)
YUV	99.1110, -15.3377, -27.2843
Hunter-Lab	39.0751, -21.6715, 15.4410

Details

The CIELCh color **46, 37.766, 141.218** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 37.671, 326.672**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 37.887, 141.321**, and **26, 37.885, 141.152** is the 20% darker color. If you saturate the color by 10%, you get **45, 45.683, 140.197**, and if you desaturate by 10%, it is **47, 29.387, 142.141**.

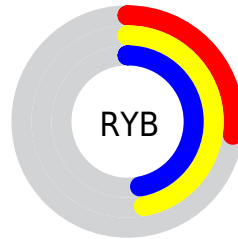
Distribution



Red (27%)

Green (47%)

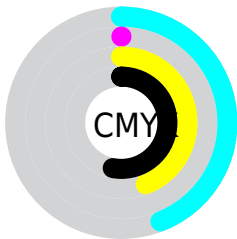
Blue (27%)



Red (27%)

Yellow (47%)

Blue (47%)

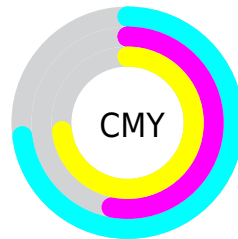


Cyan (44%)

Magenta (0%)

Yellow (44%)

Black (53%)



Cyan (73%)


Magenta (53%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 37.766, 141.218 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 46, 37.766, 141.218 by changing the saturation by 10% instead.


 46, 37.766,
141.218


 46, 37.766,
141.218


 100, 37.766,
141.218


 36, 37.766,
141.218

 66, 37.766,
141.218


 26, 37.766,
141.218

 76, 37.766,
141.218

 16, 37.766,
141.218

 86, 37.766,
141.218

 6, 37.766, 141.218

 96, 37.766,
141.218

 0, 37.766, 141.218

 46, 37.766,

 46, 37.766,

141.218

141.218

■ 45, 45.683,
140.197

■ 47, 29.387,
142.141

■ 45, 52.880,
139.113

■ 48, 20.751,
142.952

■ 44, 59.061,
138.044

■ 49, 12.022,
143.657

■ 44, 63.902,
137.103

■ 50, 3.326, 144.294

■ 44, 67.174,
136.410

■ 52, 5.246, 324.716

■ 44, 68.926,
136.019

■ 53, 13.634,
325.170

■ 55, 21.795,
325.544

■ 56, 29.709,
325.861

■ 58, 37.364,
326.132

Harmonies

Complementary

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



46, 37.766, 141.218



37, 37.671, 326.672

Rectangle

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



46, 37.766, 141.218



46, 37.766, 191.218



46, 37.766, 321.218



46, 37.766, 11.218

Sweetspot

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



46, 37.767, 141.218



63, 14.043, 143.693



50, 30.189, 106.164



32, 9.781, 143.571



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 37.767, 141.218



58, 55.964, 140.147



47, 25.907, 159.458



25, 4.922, 143.963



45, 70.610, 136.019



87, 118.866, 136.017

Inverse Universe

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



37, 37.671, 326.672



45, 55.614, 327.128



36, 27.206, 347.881



24, 4.930, 324.899



29, 68.121, 328.241



60, 114.670, 328.241

Previews

White Background



This preview shows how the CIELCh color 46, 37.766, 141.218 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 46, 37.766, 141.218 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 46, 37.766, 141.218

Background



This preview shows how black text looks on a background with the CIELCh color 46, 37.766, 141.218.



This preview shows how white text looks on a background with the CIELCh color 46, 37.766, 141.218.

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


46, 37.766, 141.218

Protanopia

46, 26.781, 95.307

Deuteranopia

46, 22.692, 75.174



Tritanopia
46, 13.609, 224.295

Trichromacy



Original Color
46, 37.766, 141.218

Protanomaly
45, 28.398, 118.270

Deuteranomaly
45, 23.399, 110.205

Tritanomaly
46, 17.368, 173.107

Monochromacy



Original Color
46, 37.766, 141.218

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 13.957, 143.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 37.766, 141.218 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, 121, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 121, 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, 121, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 121, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 37.766, 141.218 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, 121, 68) }
```

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

```
.border{ border-color:rgb(68, 121, 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, 121, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 121, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 121, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 121,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 37.766, 141.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 121, 68) }
```

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

```
.background{ background-color: rgb(68, 121,  
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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