

Converting Colors

CIELCh(46, 37.236, 145.584)

Have a look what the booklet for
CIELCh(46, 37.236, 145.584)
contains.

CIELCh(46, 37.199, 145.490)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 37.199, 145.490)

Conversions

Conversions Part 1

Format	Color
Hex	3E7948
RGB	62, 121, 72
RGB Percent	24%, 47%, 28%
CMY	0.7555, 0.5241, 0.7164
CMYK	0.49, 0.00, 0.40, 0.52
HSL	130°, 32%, 36%
HSV	130°, 49%, 48%
XYZ	10.0695, 15.2687, 8.6032
YIQ	97.7730, -19.4350, -27.7470

Conversions

Conversions Part 2

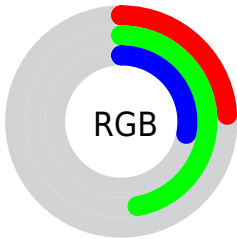
Format	Color
RYB	62, 112, 121
Decimal	4094280
CIELab	46.00, -30.65, 21.08
CIElCh	46, 37.199, 145.490
Yxy	15.2687, 0.2967, 0.4499
Android (android.graphics.Color)	4282284360 (0xFF3E7948)
YUV	97.7730, -12.7061, -31.3729
Hunter-Lab	39.0751, -22.3827, 14.2987

Details

The CIELCh color **46, 37.199, 145.490** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 37.134, 332.420**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 37.406, 145.601**, and **26, 37.453, 145.337** is the 20% darker color. If you saturate the color by 10%, you get **45, 44.161, 144.289**, and if you desaturate by 10%, it is **47, 29.823, 146.549**.

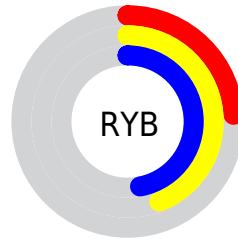
Distribution



Red (24%)

Green (47%)

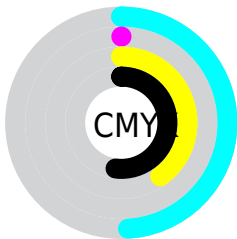
Blue (28%)



Red (24%)

Yellow (44%)

Blue (47%)

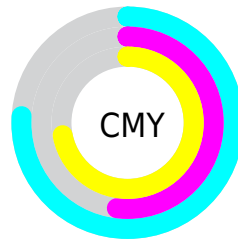


Cyan (49%)

Magenta (0%)

Yellow (40%)

Black (52%)



Cyan (76%)

Magenta (52%)

Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 37.199, 145.490 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, 37.199, 145.490 by changing the saturation by 10% instead.

 46, 37.199,
145.490


 46, 37.199,
145.490


 100, 37.199,
145.490


 36, 37.199,
145.490

 66, 37.199,
145.490


 26, 37.199,
145.490

 76, 37.199,
145.490

 16, 37.199,
145.490

 86, 37.199,
145.490

 6, 37.199, 145.490

 96, 37.199,
145.490

 0, 37.199, 145.490

 46, 37.199,

 46, 37.199,

145.490

145.490

■ 45, 44.161,
144.289

■ 47, 29.823,
146.549

■ 45, 50.540,
142.951

■ 48, 22.187,
147.473

■ 44, 56.164,
141.506

■ 49, 14.424,
148.276

■ 44, 60.870,
140.013

■ 50, 6.646, 148.983

■ 44, 64.623,
138.677

■ 51, 1.061, 329.352

■ 53, 8.636, 330.043

■ 44, 65.082,
138.534

■ 54, 16.034,
330.506

■ 56, 23.226,
330.907

■ 57, 30.198,

Harmonies

Complementary

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



46, 37.199, 145.490



35, 37.134, 332.420

Rectangle

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



46, 37.199, 145.490



46, 37.199, 195.490



46, 37.199, 325.490



46, 37.199, 15.490

Sweetspot

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



46, 37.200, 145.490



63, 14.411, 148.514



49, 33.696, 113.395



32, 9.784, 148.392



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, 37.200, 145.490



58, 54.169, 144.185



47, 24.846, 168.712



25, 4.374, 148.952



45, 66.540, 138.484



87, 114.203, 137.672

Inverse Universe

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



35, 37.134, 332.420



43, 53.617, 333.116



34, 28.055, 359.569



24, 4.386, 329.966



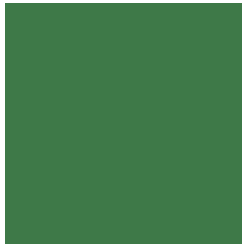
28, 59.967, 336.017



57, 100.273, 336.518

Previews

White Background



This preview shows how the CIE LCh color 46, 37.199, 145.490 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 CIELCh color 46, 37.199, 145.490 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, 37.199, 145.490

Background



This preview shows how black text looks on a background with the CIELCh color 46, 37.199, 145.490.



This preview shows how white text looks on a background with the CIELCh color 46, 37.199, 145.490.

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, 37.199, 145.490

Protanopia

46, 24.465, 95.784

Deuteranopia

46, 20.395, 73.342



Tritanopia
46, 15.129, 218.852

Trichromacy



Original Color
46, 37.199, 145.490

Protanomaly
45, 26.455, 121.316

Deuteranomaly
45, 20.644, 113.504

Tritanomaly
46, 19.146, 175.292

Monochromacy



Original Color
46, 37.199, 145.490

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 13.522, 148.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 37.199, 145.490 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(62, 121, 72)` looks like.

```
.text, #text, p{  
    color:rgb(62, 121, 72)  
}
```

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(62, 121, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 121, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 37.199, 145.490 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(62, 121, 72) }
```

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

```
.border{ border-color:rgb(62, 121, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 121, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 121, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 121, 72);  
box-shadow:4px 4px 4px 4px rgb(62, 121,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 37.199, 145.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 121, 72) }
```

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

```
.background{ background-color: rgb(62, 121,  
72) }
```

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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