

Converting Colors

CIELCh(40, 50.118, 111.323)

Have a look what the booklet for
CIELCh(40, 50.118, 111.323)
contains.

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Color

CIELCh(40, 49.774, 111.333)

Conversions

Conversions Part 1

Format	Color
Hex	566500
RGB	86, 101, 0
RGB Percent	34%, 40%, 0%
CMY	0.6633, 0.6045, 1.0000
CMYK	0.15, 0.00, 1.00, 0.60
HSL	69°, 100%, 20%
HSV	69°, 100%, 40%
XYZ	8.4631, 11.2510, 1.7206
YIQ	85.0010, 23.4810, -34.5910

Conversions

Conversions Part 2

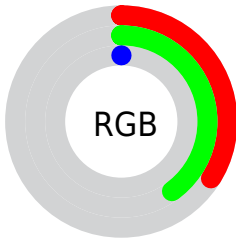
Format	Color
RYB	0, 101, 15
Decimal	5661952
CIELab	40.00, -18.11, 46.36
CIELCh	40, 49.774, 111.333
Yxy	11.2510, 0.3948, 0.5249
Android (android.graphics.Color)	4283852032 (0xFF566500)
YUV	85.0010, -41.9055, 0.8761
Hunter-Lab	33.5425, -13.6617, 20.4384

Details

The CIELCh color **40, 49.774, 111.333** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 66.761, 307.225**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 49.967, 111.287**, and **20, 32.385, 120.604** is the 20% darker color. If you saturate the color by 10%, you get **40, 49.728, 111.348**, and if you desaturate by 10%, it is **40, 47.056, 111.276**.

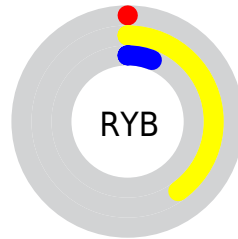
Distribution



Red (34%)

Green (40%)

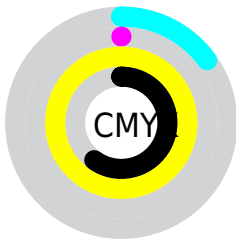
Blue (0%)



Red (0%)

Yellow (40%)

Blue (6%)

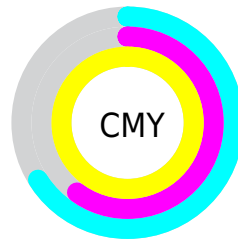


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (66%)


Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.774, 111.333 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 40, 49.774, 111.333 by changing the saturation by 10% instead.

 40, 49.774,
111.333


 40, 49.774,
111.333


 100, 49.774,
111.333


 30, 49.774,
111.333

 60, 49.774,
111.333


 20, 49.774,
111.333

 70, 49.774,
111.333

 10, 49.774,
111.333

 80, 49.774,
111.333

 0, 49.774, 111.333

 90, 49.774,
111.333

 40, 49.774,

 40, 49.774,

111.333

111.333

■ 40, 49.728,
111.348

■ 40, 47.056,
111.276

■ 40, 43.942,
111.290

■ 41, 39.846,
111.554

■ 41, 35.019,
112.002

■ 41, 29.688,
112.573

■ 41, 24.027,
113.220

■ 42, 18.157,
113.909

■ 42, 12.160,
114.615

Harmonies

Complementary

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



40, 49.774, 111.333



9, 66.761, 307.225

Rectangle

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



40, 49.774, 111.333



40, 49.774, 161.333



40, 49.774, 291.333



40, 49.774, 341.333

Sweetspot

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



40, 49.728, 111.348



53, 22.363, 113.850



20, 48.090, 39.612



27, 15.346, 113.641



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 49.728, 111.348



51, 59.645, 111.578



37, 56.912, 130.922



21, 3.453, 115.394



45, 54.503, 111.471



90, 94.672, 111.971

Inverse Universe

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



9, 66.761, 307.225



14, 80.228, 307.048



16, 61.166, 315.943



19, 3.520, 296.663



12, 73.248, 307.128



31, 127.678, 306.793

Previews

White Background



This preview shows how the CIELCh color 40, 49.774, 111.333 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 40, 49.774, 111.333 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 40, 49.774, 111.333

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.774, 111.333.



This preview shows how white text looks on a background with the CIELCh color 40, 49.774, 111.333.

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


40, 49.774, 111.333

Protanopia

40, 47.399, 96.099

Deuteranopia

40, 43.015, 82.821



Tritanopia
40, 4.269, 290.838

Trichromacy



Original Color
40, 49.774, 111.333

Protanomaly
40, 47.746, 101.646

Deuteranomaly
40, 43.938, 94.011

Tritanomaly
40, 19.344, 114.010

Monochromacy



Original Color
40, 49.774, 111.333

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 22.462, 113.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.774, 111.333 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(86, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 101, 0)  
}
```

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(86, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 101, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.774, 111.333 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(86, 101, 0) }
```

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

```
.border{ border-color:rgb(86, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(86, 101, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.774, 111.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 101, 0) }
```

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

```
.background{ background-color: rgb(86, 101,  
0) }
```

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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