

Converting Colors

CIELCh(40, 50.270, 112.253)

Have a look what the booklet for
CIELCh(40, 50.270, 112.253)
contains.

CIELCh(40, 49.950, 112.410)	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(40, 49.950, 112.410)

Conversions

Conversions Part 1

Format	Color
Hex	546500
RGB	84, 101, 0
RGB Percent	33%, 40%, 0%
CMY	0.6696, 0.6030, 0.9988
CMYK	0.17, 0.00, 1.00, 0.60
HSL	70°, 99%, 20%
HSV	70°, 100%, 40%
XYZ	8.3572, 11.2510, 1.7398
YIQ	84.4030, 22.2890, -35.0150

Conversions

Conversions Part 2

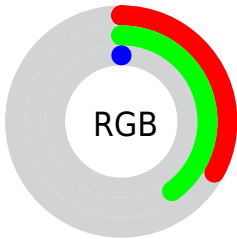
Format	Color
RYB	0, 101, 17
Decimal	5530880
CIELab	40.00, -19.04, 46.18
CIElCh	40, 49.950, 112.410
Yxy	11.2510, 0.3915, 0.5270
Android (android.graphics.Color)	4283720960 (0xFF546500)
YUV	84.4030, -41.6107, -0.3534
Hunter-Lab	33.5425, -14.2254, 20.4045

Details

The CIELCh color **40, 49.950, 112.410** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 66.594, 307.337**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.088, 112.287**, and **20, 32.713, 122.212** is the 20% darker color. If you saturate the color by 10%, you get **40, 50.035, 112.414**, and if you desaturate by 10%, it is **40, 47.260, 112.284**.

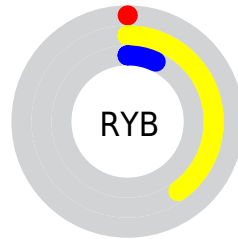
Distribution



Red (33%)

Green (40%)

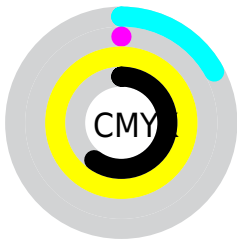
Blue (0%)



Red (0%)

Yellow (40%)

Blue (7%)

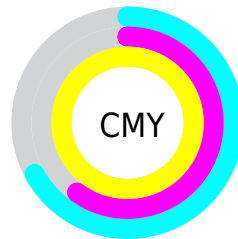


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (67%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.950, 112.410 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, 49.950, 112.410 by changing the saturation by 10% instead.


 40, 49.950,
112.410


 40, 49.950,
112.410


 100, 49.950,
112.410


 30, 49.950,
112.410

 60, 49.950,
112.410


 20, 49.950,
112.410

 70, 49.950,
112.410

 10, 49.950,
112.410

 80, 49.950,
112.410

 0, 49.950, 112.410

 90, 49.950,
112.410

 40, 49.950,

 40, 49.950,

112.410

112.410

■ 40, 50.035,
112.414

■ 40, 47.260,
112.284

■ 40, 44.082,
112.259

■ 41, 39.929,
112.494

■ 41, 35.051,
112.917

■ 41, 29.676,
113.465

■ 41, 23.975,
114.090

■ 42, 18.069,
114.757

■ 42, 12.038,
115.440

Harmonies

Complementary

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



40, 49.950, 112.410



10, 66.594, 307.337

Rectangle

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



40, 49.950, 112.410



40, 49.950, 162.410



40, 49.950, 292.410



40, 49.950, 342.410

Sweetspot

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



40, 49.950, 112.412



54, 22.765, 114.677



21, 47.604, 40.819



27, 15.376, 114.479



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, 49.950, 112.412



52, 60.714, 112.682



37, 57.462, 131.701



21, 3.459, 116.174



45, 54.698, 112.545



90, 95.050, 113.102

Inverse Universe

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



10, 66.594, 307.337



15, 81.198, 307.182



16, 60.836, 316.897



19, 3.525, 297.397



12, 73.082, 307.281



32, 127.437, 306.915

Previews

White Background



This preview shows how the CIELCh color 40, 49.950, 112.410 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 40, 49.950, 112.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

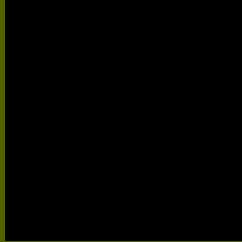
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 49.950, 112.410

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.950, 112.410.



This preview shows how white text looks on a background with the CIELCh color 40, 49.950, 112.410.

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, 49.950, 112.410

Protanopia

40, 47.399, 96.099

Deuteranopia

40, 42.672, 82.716



Tritanopia
40, 4.931, 281.517

Trichromacy



Original Color
40, 49.950, 112.410

Protanomaly
40, 47.739, 102.250

Deuteranomaly
39, 43.569, 94.656

Tritanomaly
40, 19.540, 117.977

Monochromacy



Original Color
40, 49.950, 112.410

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, 49.950, 112.410 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(84, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 101, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.950, 112.410 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(84, 101, 0) }
```

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

```
.border{ border-color:rgb(84, 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(84, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 101, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.950, 112.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 101, 0) }
```

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

```
.background{ background-color: rgb(84, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor