

Converting Colors

CIELCh(40, 50.541, 121.501)

Have a look what the booklet for
CIELCh(40, 50.541, 121.501)
contains.

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Color

CIELCh(40, 50.427, 121.570)

Conversions

Conversions Part 1

Format	Color
Hex	46680B
RGB	70, 104, 11
RGB Percent	27%, 41%, 4%
CMY	0.7251, 0.5918, 0.9563
CMYK	0.33, 0.00, 0.89, 0.59
HSL	82°, 81%, 23%
HSV	82°, 89%, 41%
XYZ	7.5547, 11.2510, 2.0944
YIQ	83.2320, 9.5890, -36.1310

Conversions

Conversions Part 2

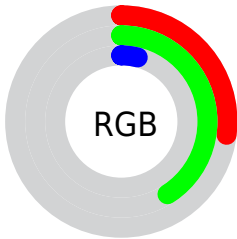
Format	Color
RYB	11, 104, 45
Decimal	4614155
CIELab	40.00, -26.40, 42.96
CIELCh	40, 50.427, 121.570
Yxy	11.2510, 0.3615, 0.5383
Android (android.graphics.Color)	4282804235 (0xFF46680B)
YUV	83.2320, -35.6104, -11.6045
Hunter-Lab	33.5425, -18.4963, 19.7776

Details

The CIELCh color **40, 50.427, 121.570** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **14, 60.528, 309.496**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.043, 121.471**, and **20, 36.741, 131.762** is the 20% darker color. If you saturate the color by 10%, you get **40, 53.469, 122.040**, and if you desaturate by 10%, it is **40, 46.809, 121.241**.

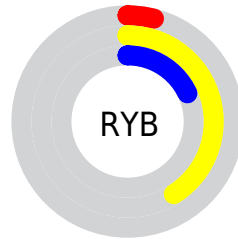
Distribution



Red (27%)

Green (41%)

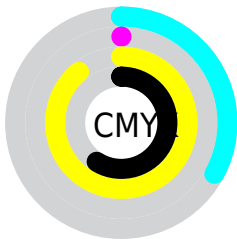
Blue (4%)



Red (4%)

Yellow (41%)

Blue (18%)

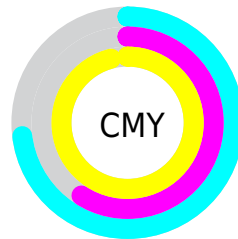


Cyan (33%)

Magenta (0%)

Yellow (89%)

Black (59%)



Cyan (73%)


Magenta (59%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.427, 121.570 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, 50.427, 121.570 by changing the saturation by 10% instead.


 40, 50.427,
121.570


 40, 50.427,
121.570


 100, 50.427,
121.570


 30, 50.427,
121.570

 60, 50.427,
121.570


 20, 50.427,
121.570

 70, 50.427,
121.570

 10, 50.427,
121.570

 80, 50.427,
121.570

 0, 50.427, 121.570

 90, 50.427,
121.570

 40, 50.427,

 40, 50.427,

121.570

■ 40, 53.469,
122.040

■ 40, 53.694,
122.063

121.570

■ 40, 46.809,
121.241

■ 41, 42.228,
121.240

■ 41, 36.939,
121.470

■ 41, 31.166,
121.844

■ 42, 25.081,
122.301

■ 42, 18.804,
122.798

■ 43, 12.418,
123.306

■ 43, 5.983, 123.809

Harmonies

Complementary

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



40, 50.427, 121.570



14, 60.528, 309.496

Rectangle

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



40, 50.427, 121.570



40, 50.427, 171.570



40, 50.427, 301.570



40, 50.427, 351.570

Sweetspot

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



40, 50.427, 121.571



54, 21.489, 122.875



26, 40.834, 51.984



28, 14.579, 122.754



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 50.427, 121.571



51, 64.919, 122.497



38, 57.507, 135.120



21, 3.554, 123.829



44, 57.605, 122.236



87, 100.594, 123.171

Inverse Universe

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



14, 60.528, 309.496



18, 79.800, 309.549



22, 57.356, 322.917



19, 3.610, 304.683



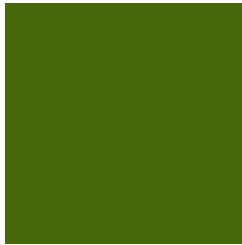
14, 70.800, 309.724



35, 123.673, 309.113

Previews

White Background



This preview shows how the CIELCh color 40, 50.427, 121.570 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, 50.427, 121.570 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, 50.427, 121.570

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.427, 121.570.



This preview shows how white text looks on a background with the CIELCh color 40, 50.427, 121.570.

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](#).

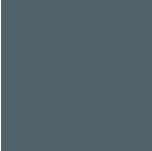
Dichromacy



Original Color
40, 50.427, 121.570

Protanopia
40, 45.192, 95.412

Deuteranopia
40, 40.991, 82.879



Tritanopia
40, 8.044, 236.268

Trichromacy



Original Color
40, 50.427, 121.570

Protanomaly
40, 45.789, 106.301

Deuteranomaly
39, 41.635, 98.784

Tritanomaly
40, 20.419, 138.178

Monochromacy



Original Color
40, 50.427, 121.570

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 21.458, 123.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.427, 121.570 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(70, 104, 11)` looks like.

```
.text, #text, p{  
    color:rgb(70, 104, 11)  
}
```

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(70, 104, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 104, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.427, 121.570 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(70, 104, 11) }
```

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

```
.border{ border-color:rgb(70, 104, 11) }
```

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

Here you see how a box with a 4 pixel rgb(70, 104, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 104, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 104, 11);  
box-shadow:4px 4px 4px 4px rgb(70, 104,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.427, 121.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 104, 11) }
```

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

```
.background{ background-color: rgb(70, 104,  
11) }
```

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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