

Converting Colors

CIELCh(40, 30.472, 119.321)

Have a look what the booklet for
CIELCh(40, 30.472, 119.321)
contains.

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Color

CIELCh(40, 30.682, 118.853)

Conversions

Conversions Part 1

Format	Color
Hex	556431
RGB	85, 100, 49
RGB Percent	33%, 39%, 19%
CMY	0.6669, 0.6081, 0.8081
CMYK	0.15, 0.00, 0.51, 0.61
HSL	78°, 34%, 29%
HSV	78°, 51%, 39%
XYZ	8.8441, 11.2510, 4.6043
YIQ	89.7010, 7.4310, -19.0410

Conversions

Conversions Part 2

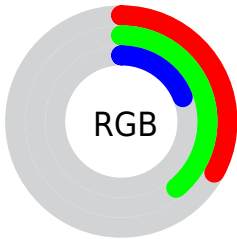
Format	Color
R_{YB}	49, 100, 64
Decimal	5596209
CIE _{Lab}	40.00, -14.81, 26.87
CIE _{LCh}	40, 30.682, 118.853
Yxy	11.2510, 0.3581, 0.4555
Android (android.graphics.Color)	4283786289 (0xFF556431)
YUV	89.7010, -20.0656, -4.1228
Hunter-Lab	33.5425, -11.6344, 15.3410

Details

The CIELCh color **40, 30.682, 118.853** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 34.086, 305.215**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 30.504, 118.870**, and **20, 30.668, 118.819** is the 20% darker color. If you saturate the color by 10%, you get **40, 36.098, 118.453**, and if you desaturate by 10%, it is **40, 24.940, 119.346**.

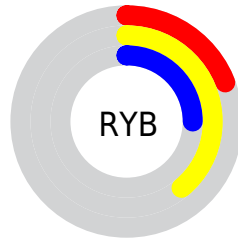
Distribution



 Red (33%)

 Green (39%)

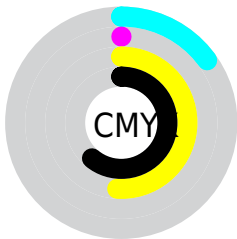
 Blue (19%)




 Red (19%)

 Yellow (39%)

 Blue (25%)

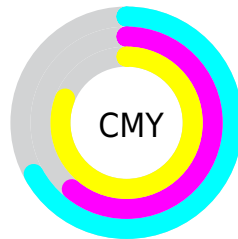


 Cyan (15%)


 Magenta (0%)

 Yellow (51%)

 Black (61%)



 Cyan (67%)


 Magenta (61%)


 Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 30.682, 118.853 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, 30.682, 118.853 by changing the saturation by 10% instead.


 40, 30.682,
118.853


 40, 30.682,
118.853


 100, 30.682,
118.853


 30, 30.682,
118.853

 60, 30.682,
118.853


 20, 30.682,
118.853

 70, 30.682,
118.853


 10, 30.682,
118.853

 80, 30.682,
118.853

 0, 30.682, 118.853

 90, 30.682,
118.853

 40, 30.682,

 40, 30.682,

118.853

■ 40, 36.098,
118.453

■ 39, 41.012,
118.202

■ 39, 45.201,
118.182

■ 39, 48.430,
118.482

■ 39, 51.070,
118.775

118.853

■ 40, 24.940,
119.346

■ 41, 18.991,
119.884

■ 41, 12.920,
120.440

■ 42, 6.786, 120.994

■ 42, 0.628, 121.573

■ 43, 5.524, 302.039

■ 43, 11.650,
302.529

■ 44, 17.734,
302.989

■ 45, 23.765,

Harmonies

Complementary

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



40, 30.682, 118.853



24, 34.086, 305.215

Rectangle

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



40, 30.682, 118.853



40, 30.682, 168.853



40, 30.682, 298.853



40, 30.682, 348.853

Sweetspot

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



40, 30.683, 118.855



53, 11.456, 120.751



31, 20.894, 47.487



27, 7.875, 120.667



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, 30.683, 118.855



51, 44.639, 118.396



38, 34.981, 135.617



21, 3.512, 121.109



44, 56.390, 118.998



88, 98.295, 119.839

Inverse Universe

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



24, 34.086, 305.215



28, 51.174, 306.257



27, 35.739, 320.330



19, 3.573, 302.076



13, 71.733, 308.642



34, 125.283, 308.102

Previews

White Background



This preview shows how the CIELCh color 40, 30.682, 118.853 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, 30.682, 118.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

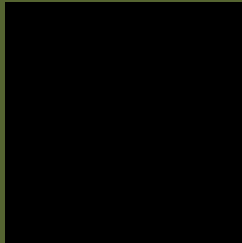
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 30.682, 118.853

Background



This preview shows how black text looks on a background with the CIELCh color 40, 30.682, 118.853.



This preview shows how white text looks on a background with the CIELCh color 40, 30.682, 118.853.

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, 30.682, 118.853

Protanopia

40, 28.294, 95.850

Deuteranopia

40, 26.211, 78.688



Tritanopia
40, 5.004, 276.976

Trichromacy



Original Color
40, 30.682, 118.853

Protanomaly
40, 28.303, 104.775

Deuteranomaly
40, 26.091, 95.441

Tritanomaly
40, 8.470, 129.861

Monochromacy



Original Color
40, 30.682, 118.853

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 11.852, 121.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 30.682, 118.853 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(85, 100, 49)` looks like.

```
.text, #text, p{  
    color:rgb(85, 100, 49)  
}
```

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(85, 100, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 100, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 30.682, 118.853 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(85, 100, 49) }
```

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

```
.border{ border-color:rgb(85, 100, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 100, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 100, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 100, 49);  
box-shadow:4px 4px 4px 4px rgb(85, 100,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 30.682, 118.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 100, 49) }
```

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

```
.background{ background-color: rgb(85, 100,  
49) }
```

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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