

Converting Colors

CIELCh(40, 14.853, 148.339)

Have a look what the booklet for
CIELCh(40, 14.853, 148.339)
contains.

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Color

CIELCh(40, 15.152, 148.136)

Conversions

Conversions Part 1

Format	Color
Hex	4D6451
RGB	77, 100, 81
RGB Percent	30%, 39%, 32%
CMY	0.6986, 0.6084, 0.6829
CMYK	0.23, 0.00, 0.19, 0.61
HSL	130°, 13%, 35%
HSV	130°, 23%, 39%
XYZ	9.0729, 11.2510, 9.4510
YIQ	90.9570, -7.6090, -10.7850

Conversions

Conversions Part 2

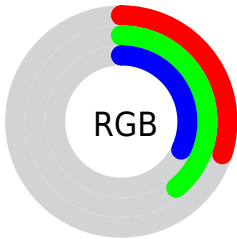
Format	Color
R_{YB}	77, 97, 100
Decimal	5071953
CIE Lab	40.00, -12.87, 8.00
CIE LCh	40, 15.152, 148.136
Yxy	11.2510, 0.3047, 0.3779
Android (android.graphics.Color)	4283262033 (0xFF4D6451)
YUV	90.9570, -4.9088, -12.2403
Hunter-Lab	33.5425, -10.4167, 6.7740

Details

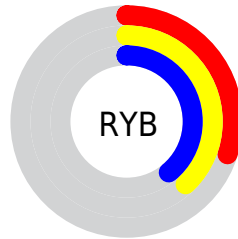
The CIELCh color $40, 15.152, 148.136$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 15.203, 330.957$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 15.430, 148.108$, and $20, 15.171, 147.600$ is the 20% darker color. If you saturate the color by 10%, you get $39, 21.713, 147.306$, and if you desaturate by 10%, it is $41, 8.547, 148.862$.

Distribution



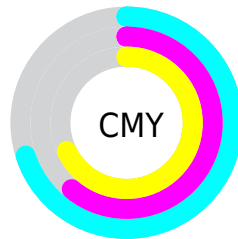
- Red (30%)
- Green (39%)
- Blue (32%)



- Red (30%)
- Yellow (38%)
- Blue (39%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (61%)





- Cyan (70%)
- Magenta (61%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 15.152, 148.136 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, 15.152, 148.136 by changing the saturation by 10% instead.


 40, 15.152,
148.136


 40, 15.152,
148.136


 100, 15.152,
148.136


 30, 15.152,
148.136

 60, 15.152,
148.136


 20, 15.152,
148.136


 70, 15.152,
148.136


 10, 15.152,
148.136

 80, 15.152,
148.136

 0, 15.152, 148.136

 90, 15.152,
148.136

 40, 15.152,

 40, 15.152,

148.136

■ 39, 21.713,
147.306

■ 38, 28.130,
146.354

■ 38, 34.289,
145.269

■ 37, 40.061,
144.047

■ 37, 45.309,
142.698

■ 37, 49.896,
141.255

■ 36, 53.715,
139.804

■ 36, 56.022,
139.023

148.136

■ 41, 8.547, 148.862

■ 42, 1.971, 149.556

■ 43, 4.514, 329.965

■ 44, 10.868,
330.462

■ 46, 17.061,
330.884

■ 47, 23.077,
331.253

■ 48, 28.907,
331.580

■ 50, 34.548,
331.872

■ 51, 40.004,

Harmonies

Complementary

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



40, 15.152, 148.136



36, 15.203, 330.957

Rectangle

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



40, 15.152, 148.136



40, 15.152, 198.136



40, 15.152, 328.136



40, 15.152, 18.136

Sweetspot

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



40, 15.153, 148.136



53, 5.685, 149.253



41, 13.895, 115.146



27, 3.724, 149.231



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, 15.153, 148.136



51, 22.892, 147.669



40, 10.490, 171.652



21, 3.739, 149.137



42, 62.228, 138.738



84, 110.381, 137.789

Inverse Universe

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



36, 15.203, 330.957



44, 22.968, 331.308



35, 11.086, 355.869



20, 3.749, 330.112



25, 56.280, 336.202



55, 96.852, 336.784

Previews

White Background



This preview shows how the CIE LCh color 40, 15.152, 148.136 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, 15.152, 148.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

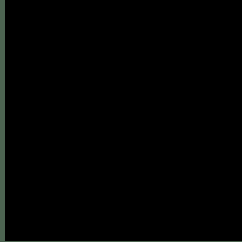
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 15.152, 148.136

Background



This preview shows how black text looks on a background with the CIELCh color 40, 15.152, 148.136.



This preview shows how white text looks on a background with the CIELCh color 40, 15.152, 148.136.

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, 15.152, 148.136

Protanopia

40, 9.952, 95.657

Deuteranopia

40, 8.664, 54.048



Tritanopia
40, 7.431, 233.985

Trichromacy



Original Color
40, 15.152, 148.136

Protanomaly
40, 10.533, 120.627

Deuteranomaly
40, 7.332, 102.150

Tritanomaly
40, 7.733, 189.347

Monochromacy



Original Color
40, 15.152, 148.136

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 5.485, 147.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 15.152, 148.136 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(77, 100, 81)` looks like.

```
.text, #text, p{  
    color:rgb(77, 100, 81)  
}
```

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(77, 100, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 100, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 15.152, 148.136 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(77, 100, 81) }
```

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

```
.border{ border-color:rgb(77, 100, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 100, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 100, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 100, 81);  
box-shadow:4px 4px 4px 4px rgb(77, 100,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 15.152, 148.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 100, 81) }
```

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

```
.background{ background-color: rgb(77, 100,  
81) }
```

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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