

Converting Colors

CIELCh(40, 14.275, 307.657)

Have a look what the booklet for
CIELCh(40, 14.275, 307.657)
contains.

CIELCh(40, 14.651, 307.735)	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, 14.651, 307.735)

Conversions

Conversions Part 1

Format	Color
Hex	645A71
RGB	100, 90, 113
RGB Percent	39%, 35%, 44%
CMY	0.6072, 0.6465, 0.5563
CMYK	0.11, 0.20, 0.00, 0.56
HSL	266°, 11%, 40%
HSV	266°, 20%, 44%
XYZ	11.9303, 11.2510, 17.2112
YIQ	95.6120, -1.4230, 9.2730

Conversions

Conversions Part 2

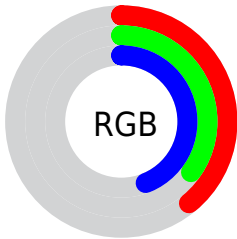
Format	Color
R_{YB}	100, 90, 113
Decimal	6576753
CIE _{Lab}	40.00, 8.97, -11.59
CIE _{LCh}	40, 14.651, 307.735
Yxy	11.2510, 0.2954, 0.2785
Android (android.graphics.Color)	4284766833 (0xFF645A71)
YUV	95.6120, 8.5723, 3.8483
Hunter-Lab	33.5425, 4.7889, -6.9429

Details

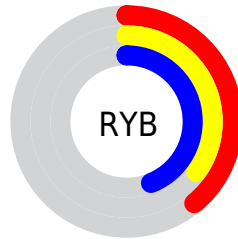
The CIELCh color $40, 14.651, 307.735$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 14.215, 125.835$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 14.783, 307.673$, and $20, 14.888, 308.051$ is the 20% darker color. If you saturate the color by 10%, you get $36, 22.155, 308.287$, and if you desaturate by 10%, it is $44, 7.338, 307.223$.

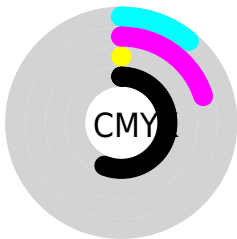
Distribution



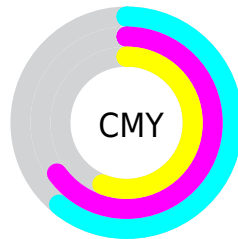
- Red (39%)
- Green (35%)
- Blue (44%)



- Red (39%)
- Yellow (35%)
- Blue (44%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (56%)





- Cyan (61%)
- Magenta (65%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 14.651, 307.735 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, 14.651, 307.735 by changing the saturation by 10% instead.


 40, 14.651,
307.735


 40, 14.651,
307.735


 100, 14.651,
307.735


 30, 14.651,
307.735

 60, 14.651,
307.735


 20, 14.651,
307.735


 70, 14.651,
307.735


 10, 14.651,
307.735

 80, 14.651,
307.735

 0, 14.651, 307.735

 90, 14.651,
307.735

 40, 14.651,

 40, 14.651,

307.735

307.735

■ 36, 22.155,
308.287

■ 44, 7.338, 307.223

■ 33, 29.813,
308.873

■ 48, 0.237, 306.506

■ 29, 37.540,
309.474

■ 51, 6.648, 126.373

■ 25, 45.188,
310.054

■ 55, 13.320,
126.006

■ 22, 52.507,
310.556

■ 59, 19.787,
125.684

■ 19, 59.113,
310.898

■ 63, 26.058,
125.404

■ 17, 64.501,
310.968

■ 66, 32.142,
125.160

■ 15, 69.131,
311.004

■ 70, 38.051,
124.949

■ 74, 43.794,

Harmonies

Complementary

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



40, 14.651, 307.735



46, 14.215, 125.835

Rectangle

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



40, 14.651, 307.735



40, 14.651, 357.735



40, 14.651, 127.735



40, 14.651, 177.735

Sweetspot

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



40, 14.650, 307.734



58, 5.277, 307.020



43, 7.702, 250.440



30, 3.480, 307.042



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 14.650, 307.734



50, 21.668, 307.967



41, 16.435, 323.606



21, 3.959, 307.158



16, 72.079, 310.935



38, 123.906, 310.319

Inverse Universe

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



41, 12.405, 341.856



51, 18.283, 342.232



45, 16.383, 141.528



22, 3.375, 340.917



25, 49.611, 354.535



54, 83.994, 356.672

Previews

White Background



This preview shows how the CIELCh color 40, 14.651, 307.735 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, 14.651, 307.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

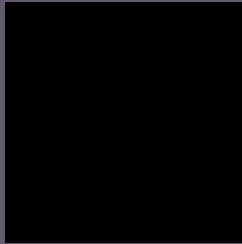
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 14.651, 307.735

Background



This preview shows how black text looks on a background with the CIELCh color 40, 14.651, 307.735.



This preview shows how white text looks on a background with the CIELCh color 40, 14.651, 307.735.

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, 14.651, 307.735

Protanopia

40, 13.473, 285.778

Deuteranopia

40, 12.867, 295.555



Tritanopia
40, 4.765, 316.434

Trichromacy



Original Color
40, 14.651, 307.735

Protanomaly
40, 13.453, 293.842

Deuteranomaly
40, 13.625, 300.376

Tritanomaly
40, 8.462, 310.900

Monochromacy



Original Color
40, 14.651, 307.735

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 5.162, 309.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 14.651, 307.735 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(100, 90, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 90, 113)  
}
```

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(100, 90, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 90, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 14.651, 307.735 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(100, 90, 113) }
```

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

```
.border{ border-color:rgb(100, 90, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 90, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 90, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 90, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 90,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 14.651, 307.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 90, 113) }
```

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

```
.background{ background-color: rgb(100, 90,  
113) }
```

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