

# Converting Colors

CIELCh(40, 15.719, 314.368)

Have a look what the booklet for  
CIELCh(40, 15.719, 314.368)  
contains.

<b>CIELCh(40, 15.870, 314.168)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(40, 15.870, 314.168)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	685971
RGB	104, 89, 113
RGB Percent	41%, 35%, 44%
CMY	0.5926, 0.6514, 0.5573
CMYK	0.08, 0.21, 0.00, 0.56
HSL	277°, 12%, 40%
HSV	277°, 21%, 44%
XYZ	12.2317, 11.2510, 17.1143
YIQ	96.2210, 1.2360, 10.6440

# Conversions

## Conversions Part 2

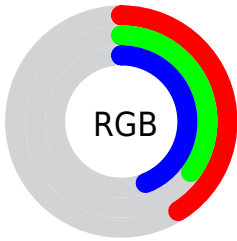
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 89, 113
Decimal	6838641
CIE <sub>Lab</sub>	40.00, 11.06, -11.38
CIE <sub>LCh</sub>	40, 15.870, 314.168
Yxy	11.2510, 0.3013, 0.2771
Android (android.graphics.Color)	4285028721 (0xFF685971)
YUV	96.2210, 8.2720, 6.8222
Hunter-Lab	33.5425, 6.3931, -6.7718

# Details

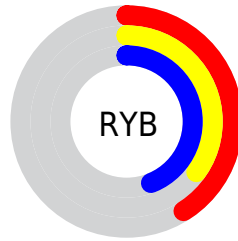
The CIELCh color **40, 15.870, 314.168** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 15.559, 132.424**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 15.936, 313.643**, and **20, 16.171, 314.970** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.537, 314.600**, and if you desaturate by 10%, it is **44, 8.315, 313.743**.

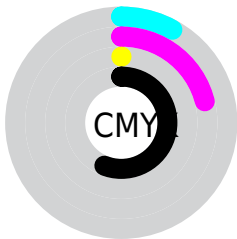
# Distribution



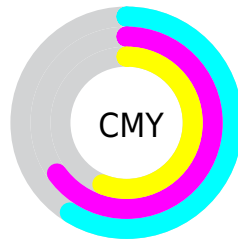
- Red (41%)
- Green (35%)
- Blue (44%)



- Red (41%)
- Yellow (35%)
- Blue (44%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (56%)




- Cyan (59%)
- Magenta (65%)
- Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 15.870, 314.168 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, 15.870, 314.168 by changing the saturation by 10% instead.





 40, 15.870,  
314.168


 40, 15.870,  
314.168


 100, 15.870,  
314.168


 30, 15.870,  
314.168

 60, 15.870,  
314.168


 20, 15.870,  
314.168


 70, 15.870,  
314.168


 10, 15.870,  
314.168

 80, 15.870,  
314.168

 0, 15.870, 314.168

 90, 15.870,  
314.168

 40, 15.870,

 40, 15.870,

314.168

37, 23.537,  
314.600

33, 31.238,  
315.026

30, 38.839,  
315.423

27, 46.140,  
315.754

24, 52.851,  
315.970

21, 58.606,  
316.007

20, 63.010,  
315.794

18, 66.400,  
315.572

314.168

44, 8.315, 313.743

47, 0.922, 313.247

51, 6.285, 133.007

54, 13.294,  
132.659

58, 20.105,  
132.349

62, 26.720,  
132.070

65, 33.146,  
131.820

69, 39.390,  
131.599

72, 45.463,



# Harmonies

# Complementary

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



40, 15.870, 314.168



46, 15.559, 132.424

# Rectangle

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



40, 15.870, 314.168



40, 15.870, 4.168



40, 15.870, 134.168



40, 15.870, 184.168

# Sweetspot

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



40, 15.869, 314.167



59, 5.500, 313.528



41, 9.538, 269.860



30, 3.627, 313.547



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, 15.869, 314.167



50, 24.344, 314.402



41, 16.149, 328.958



22, 4.123, 313.648



19, 69.334, 315.504



44, 118.912, 314.913



# Inverse Universe

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



40, 11.535, 352.941



50, 17.724, 353.549



45, 16.118, 146.438



22, 2.982, 351.696



24, 48.542, 11.859



53, 83.586, 15.171



# Previews

## White Background



This preview shows how the CIELCh color 40, 15.870, 314.168 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, 15.870, 314.168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

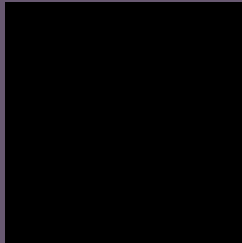
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 40, 15.870, 314.168

## Background



This preview shows how black text looks on a background with the CIELCh color 40, 15.870, 314.168.



This preview shows how white text looks on a background with the CIELCh color 40, 15.870, 314.168.

# 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, 15.870, 314.168

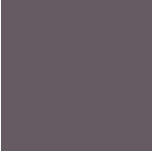
### Protanopia

40, 14.077, 286.173

### Deuteranopia

40, 12.294, 297.462





**Tritanopia**  
40, 6.722, 333.849

# Trichromacy



**Original Color**  
40, 15.870, 314.168

**Protanomaly**  
40, 14.082, 295.406

**Deuteranomaly**  
40, 13.166, 304.097

**Tritanomaly**  
40, 10.108, 323.130

# Monochromacy



**Original Color**  
40, 15.870, 314.168

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
40, 6.041, 314.994

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 15.870, 314.168 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(104, 89, 113)` looks like.

```
.text, #text, p{  
    color:rgb(104, 89, 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(104, 89, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 89, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 15.870, 314.168 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(104, 89, 113) }
```

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

```
.border{ border-color:rgb(104, 89, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 89, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 89, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 89, 113);  
box-shadow:4px 4px 4px 4px rgb(104, 89,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 15.870, 314.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 89, 113) }
```

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

```
.background{ background-color: rgb(104, 89,  
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](#).

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