

# Converting Colors

CIELCh(40, 10.074, 315.222)

Have a look what the booklet for  
CIELCh(40, 10.074, 315.222)  
contains.

<b>CIELCh(40, 10.056, 315.217)</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, 10.056, 315.217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	655B6A
RGB	101, 91, 106
RGB Percent	40%, 36%, 42%
CMY	0.6045, 0.6437, 0.5849
CMYK	0.05, 0.14, 0.00, 0.58
HSL	280°, 8%, 39%
HSV	280°, 14%, 42%
XYZ	11.6707, 11.2510, 15.1494
YIQ	95.7000, 1.1450, 6.7850

# Conversions

## Conversions Part 2

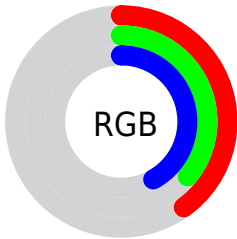
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 91, 106
Decimal	6642538
CIE Lab	40.00, 7.14, -7.08
CIE LCh	40, 10.056, 315.217
Yxy	11.2510, 0.3066, 0.2955
Android (android.graphics.Color)	4284832618 (0xFF655B6A)
YUV	95.7000, 5.0779, 4.6481
Hunter-Lab	33.5425, 3.4075, -3.2984

# Details

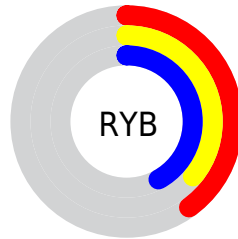
The CIELCh color  $[40, 10.056, 315.217]$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $[44, 9.937, 134.101]$ , and the grayscale version is  $[41, 0.006, 296.813]$ .

A 20% lighter version of the original color is  $[60, 10.009, 315.738]$ , and  $[20, 10.385, 314.763]$  is the 20% darker color. If you saturate the color by 10%, you get  $[37, 17.311, 315.633]$ , and if you desaturate by 10%, it is  $[43, 2.928, 314.792]$ .

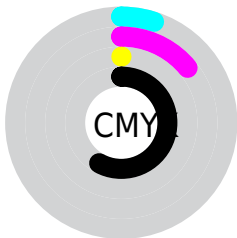
# Distribution



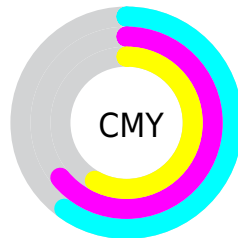
- Red (40%)
- Green (36%)
- Blue (42%)



- Red (40%)
- Yellow (36%)
- Blue (42%)



- Cyan (5%)
- Magenta (14%)
- Yellow (0%)
- Black (58%)




- Cyan (60%)
- Magenta (64%)
- Yellow (58%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.056, 315.217 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, 10.056, 315.217 by changing the saturation by 10% instead.





 40, 10.056,  
315.217


 40, 10.056,  
315.217


 100, 10.056,  
315.217


 30, 10.056,  
315.217

 60, 10.056,  
315.217


 20, 10.056,  
315.217


 70, 10.056,  
315.217


 10, 10.056,  
315.217

 80, 10.056,  
315.217

 0, 10.056, 315.217

 90, 10.056,  
315.217

 40, 10.056,

 40, 10.056,

315.217

■ 37, 17.311,  
315.633

■ 33, 24.637,  
316.050

■ 30, 31.939,  
316.451

■ 27, 39.067,  
316.810

■ 25, 45.805,  
317.089

■ 22, 51.863,  
317.240

■ 20, 56.895,  
317.204

■ 18, 60.699,  
316.953

315.217

■ 43, 2.928, 314.792

■ 47, 4.035, 134.480

■ 50, 10.819,  
134.114

■ 53, 17.416,  
133.789

■ 57, 23.827,  
133.494

■ 60, 30.057,  
133.229

■ 64, 36.111,  
132.990

■ 67, 41.999,  
132.777

■ 17, 62.916,  
316.842

■ 70, 47.727,  
132.587

# Harmonies

# Complementary

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



40, 10.056, 315.217



44, 9.937, 134.101

# Rectangle

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



40, 10.056, 315.217



40, 10.056, 5.217



40, 10.056, 135.217



40, 10.056, 185.217

# Sweetspot

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



40, 10.055, 315.216



56, 3.489, 314.790



41, 6.234, 271.603



28, 2.462, 314.817



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, 10.055, 315.216



50, 15.023, 315.353



40, 9.949, 329.624



21, 4.006, 315.001



20, 67.729, 316.729



45, 116.974, 316.155



# Inverse Universe

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



40, 7.057, 354.936



51, 10.567, 355.279



43, 9.925, 147.996



21, 2.801, 354.414



24, 48.257, 15.584



52, 84.193, 19.133



# Previews

## White Background



This preview shows how the CIELCh color 40, 10.056, 315.217 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, 10.056, 315.217 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, 10.056, 315.217

## Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.056, 315.217.



This preview shows how white text looks on a background with the CIELCh color 40, 10.056, 315.217.

# 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, 10.056, 315.217

### Protanopia

40, 8.553, 286.204

### Deuteranopia

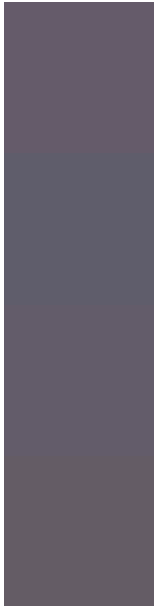
40, 8.917, 307.143





**Tritanopia**  
40, 5.438, 328.449

# Trichromacy



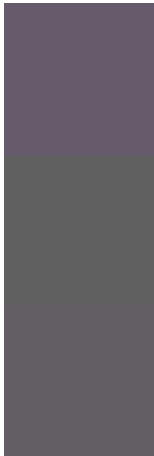
**Original Color**  
40, 10.056, 315.217

**Protanomaly**  
40, 8.594, 296.782

**Deuteranomaly**  
40, 9.036, 309.624

**Tritanomaly**  
40, 6.436, 321.778

# Monochromacy



**Original Color**  
40, 10.056, 315.217

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
40, 4.030, 314.874

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 10.056, 315.217 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(101, 91, 106)` looks like.

```
.text, #text, p{  
    color:rgb(101, 91, 106)  
}
```

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(101, 91, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 91, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 10.056, 315.217 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(101, 91, 106) }
```

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

```
.border{ border-color:rgb(101, 91, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 91, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 91, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 91, 106); box-shadow:4px 4px 4px 4px rgb(101, 91, 106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 10.056, 315.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 91, 106) }
```

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

```
.background{ background-color: rgb(101, 91,  
106) }
```

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