

Converting Colors

CIELCh(40, 10.748, 283.823)

Have a look what the booklet for
CIELCh(40, 10.748, 283.823)
contains.

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Color

CIELCh(40, 10.440, 283.250)

Conversions

Conversions Part 1

Format	Color
Hex	5A5E6F
RGB	90, 94, 111
RGB Percent	35%, 37%, 44%
CMY	0.6482, 0.6326, 0.5659
CMYK	0.19, 0.15, 0.00, 0.57
HSL	229°, 10%, 39%
HSV	229°, 19%, 43%
XYZ	11.0149, 11.2510, 16.5399
YIQ	94.7420, -7.8410, 4.4390

Conversions

Conversions Part 2

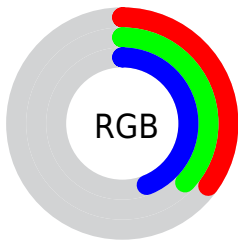
Format	Color
R_{YB}	90, 93, 111
Decimal	5922415
CIE Lab	40.00, 2.39, -10.16
CIE LCh	40, 10.440, 283.250
Yxy	11.2510, 0.2838, 0.2899
Android (android.graphics.Color)	4284112495 (0xFF5A5E6F)
YUV	94.7420, 8.0152, -4.1587
Hunter-Lab	33.5425, -0.0823, -5.7563

Details

The CIELCh color **40, 10.440, 283.250** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 10.222, 98.910**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 10.804, 283.617**, and **20, 10.293, 283.400** is the 20% darker color. If you saturate the color by 10%, you get **36, 16.177, 284.728**, and if you desaturate by 10%, it is **44, 4.868, 281.978**.

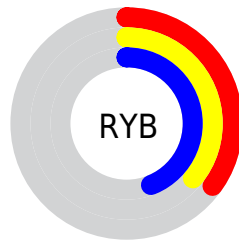
Distribution



Red (35%)

Green (37%)

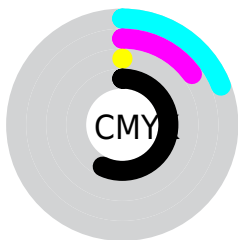
Blue (44%)



Red (35%)

Yellow (36%)

Blue (44%)

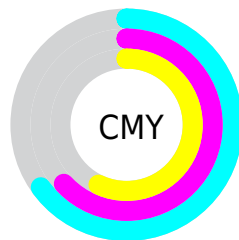


Cyan (19%)

Magenta (15%)

Yellow (0%)

Black (57%)



Cyan (65%)


Magenta (63%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.440, 283.250 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, 10.440, 283.250 by changing the saturation by 10% instead.


 40, 10.440,
283.250


 40, 10.440,
283.250


 100, 10.440,
283.250


 30, 10.440,
283.250

 60, 10.440,
283.250


 20, 10.440,
283.250


 70, 10.440,
283.250


 10, 10.440,
283.250

 80, 10.440,
283.250

 0, 10.440, 283.250

 90, 10.440,
283.250

 40, 10.440,

 40, 10.440,

283.250

■ 36, 16.177,
284.728

■ 33, 22.095,
286.447

■ 29, 28.211,
288.433

■ 26, 34.538,
290.700

■ 23, 41.070,
293.234

■ 19, 47.751,
295.972

■ 17, 54.405,
298.776

■ 14, 60.724,
301.277

283.250

■ 44, 4.868, 281.978

■ 47, 0.549, 100.672

■ 51, 5.820, 99.875

■ 54, 10.954, 99.045

■ 58, 15.957, 98.314

■ 61, 20.834, 97.669

■ 64, 25.591, 97.096

■ 68, 30.234, 96.585

■ 71, 34.765, 96.128

■ 14, 61.349,
301.495

Harmonies

Complementary

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



40, 10.440, 283.250



45, 10.222, 98.910

Rectangle

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



40, 10.440, 283.250



40, 10.440, 333.250



40, 10.440, 103.250



40, 10.440, 153.250

Sweetspot

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



40, 10.439, 283.247



57, 4.002, 281.660



45, 8.716, 181.661



29, 2.638, 281.708



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 10.439, 283.247



49, 15.707, 283.905



39, 13.136, 302.928



22, 3.089, 281.984



15, 65.445, 301.739



36, 117.240, 303.182

Inverse Universe

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



40, 9.340, 5.725



50, 14.115, 6.259



46, 12.691, 120.771



22, 2.732, 4.680



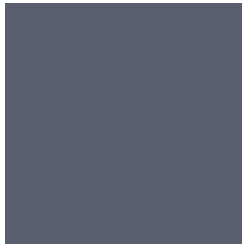
24, 52.478, 27.880



52, 92.268, 31.203

Previews

White Background



This preview shows how the CIE LCh color 40, 10.440, 283.250 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, 10.440, 283.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

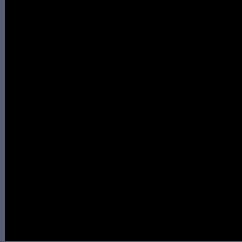
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

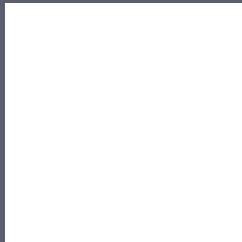
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 10.440, 283.250

Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.440, 283.250.

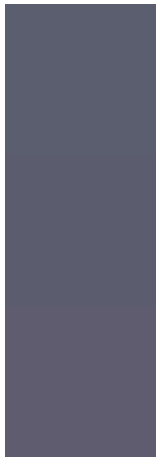


This preview shows how white text looks on a background with the CIELCh color 40, 10.440, 283.250.

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, 10.440, 283.250

Protanopia

40, 10.390, 287.474

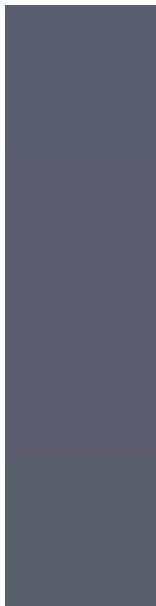
Deuteranopia

40, 11.687, 297.682



Tritanopia
40, 5.557, 260.855

Trichromacy



Original Color
40, 10.440, 283.250

Protanomaly
40, 10.390, 287.474

Deuteranomaly
40, 10.984, 291.843

Tritanomaly
40, 7.051, 271.627

Monochromacy



Original Color
40, 10.440, 283.250

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 3.736, 278.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 10.440, 283.250 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(90, 94, 111)` looks like.

```
.text, #text, p{  
    color:rgb(90, 94, 111)  
}
```

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(90, 94, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 94, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 10.440, 283.250 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(90, 94, 111) }
```

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

```
.border{ border-color:rgb(90, 94, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 94, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 94, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 94, 111);  
box-shadow:4px 4px 4px 4px rgb(90, 94,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 10.440, 283.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 94, 111) }
```

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

```
.background{ background-color: rgb(90, 94,  
111) }
```

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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