

Converting Colors

CIELCh(40, 35.643, 271.035)

Have a look what the booklet for
CIELCh(40, 35.643, 271.035)
contains.

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Color

CIELCh(40, 35.521, 270.839)

Conversions

Conversions Part 1

Format	Color
Hex	266198
RGB	38, 97, 152
RGB Percent	15%, 38%, 60%
CMY	0.8504, 0.6192, 0.4035
CMYK	0.75, 0.36, 0.00, 0.40
HSL	209°, 60%, 37%
HSV	209°, 75%, 60%
XYZ	10.7630, 11.2510, 31.3525
YIQ	85.6290, -52.8190, 4.5970

Conversions

Conversions Part 2

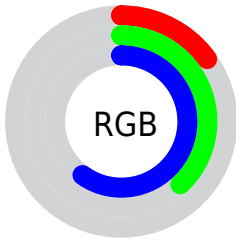
Format	Color
R _Y B	38, 77, 152
Decimal	2515352
CIE Lab	40.00, 0.52, -35.52
CIE LCh	40, 35.521, 270.839
Yxy	11.2510, 0.2017, 0.2108
Android (android.graphics.Color)	4280705432 (0xFF266198)
YUV	85.6290, 32.7209, -41.7706
Hunter-Lab	33.5425, -1.4229, -31.9392

Details

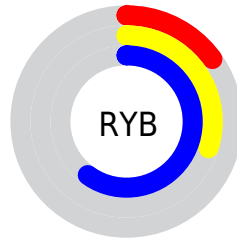
The CIELCh color **40, 35.521, 270.839** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 44.700, 64.416**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 35.808, 271.338**, and **21, 34.282, 280.709** is the 20% darker color. If you saturate the color by 10%, you get **37, 39.922, 274.958**, and if you desaturate by 10%, it is **43, 31.103, 267.176**.

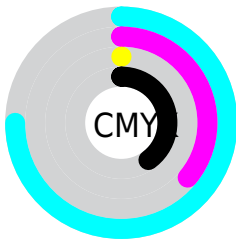
Distribution



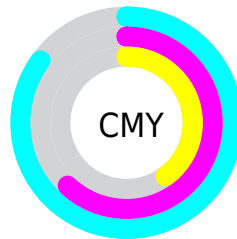
- Red (15%)
- Green (38%)
- Blue (60%)



- Red (15%)
- Yellow (30%)
- Blue (60%)



- Cyan (75%)
- Magenta (36%)
- Yellow (0%)
- Black (40%)



- Cyan (85%)
- Magenta (62%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 35.521, 270.839 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, 35.521, 270.839 by changing the saturation by 10% instead.

■ 40, 35.521,
270.839

■ 40, 35.521,
270.839

■ 100, 35.521,
270.839

■ 30, 35.521,
270.839

■ 60, 35.521,
270.839

■ 20, 35.521,
270.839

■ 70, 35.521,
270.839

■ 10, 35.521,
270.839

■ 80, 35.521,
270.839

■ 0, 35.521, 270.839

■ 90, 35.521,
270.839

■ 40, 35.521,

■ 40, 35.521,

270.839

270.839

■ 37, 39.922,
274.958

■ 43, 31.103,
267.176

■ 35, 44.391,
279.404

■ 46, 26.608,
264.003

■ 34, 46.742,
281.558

■ 49, 22.002,
261.301

■ 52, 17.276,
259.023

■ 55, 12.436,
257.112

■ 58, 7.501, 255.515

■ 61, 2.491, 254.237

■ 65, 2.570, 72.837

■ 68, 7.664, 71.932

Harmonies

Complementary

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



40, 35.521, 270.839



45, 44.700, 64.416

Rectangle

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



40, 35.521, 270.839



40, 35.521, 320.839



40, 35.521, 90.839



40, 35.521, 140.839

Sweetspot

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



40, 35.520, 270.840



71, 13.687, 256.689



56, 51.105, 152.955



36, 9.155, 257.106



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 35.520, 270.840



47, 52.438, 278.009



25, 70.591, 301.540



31, 2.866, 254.738



31, 43.754, 281.195



2, 3.134, 254.488

Inverse Universe

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



36, 51.943, 352.215



44, 69.256, 356.896



60, 56.085, 101.995



30, 4.234, 343.424



30, 54.624, 359.378



1, 4.501, 343.186

Previews

White Background



This preview shows how the CIE LCh color 40, 35.521, 270.839 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, 35.521, 270.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

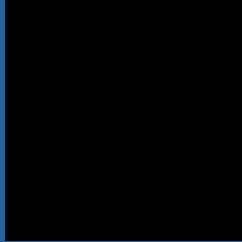
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 35.521, 270.839

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.521, 270.839.



This preview shows how white text looks on a background with the CIELCh color 40, 35.521, 270.839.

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, 35.521, 270.839

Protanopia
40, 34.315, 285.546

Deuteranopia
40, 36.660, 279.787



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 35.521, 270.839

Protanomaly
40, 34.305, 278.783

Deuteranomaly
40, 36.441, 276.703

Tritanomaly
39, 25.471, 236.533

Monochromacy



Original Color
40, 35.521, 270.839

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 14.196, 259.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.521, 270.839 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(38, 97, 152)` looks like.

```
.text, #text, p{  
    color:rgb(38, 97, 152)  
}
```

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(38, 97, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 97, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.521, 270.839 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(38, 97, 152) }
```

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

```
.border{ border-color:rgb(38, 97, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 97, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 97, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 97, 152);  
box-shadow:4px 4px 4px 4px rgb(38, 97,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.521, 270.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 97, 152) }
```

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

```
.background{ background-color: rgb(38, 97,  
152) }
```

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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