

Converting Colors

CIELCh(40, 36.669, 285.768)

Have a look what the booklet for
CIELCh(40, 36.669, 285.768)
contains.

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Color

CIELCh(40, 36.730, 285.848)

Conversions

Conversions Part 1

Format	Color
Hex	475C98
RGB	71, 92, 152
RGB Percent	28%, 36%, 60%
CMY	0.7217, 0.6394, 0.4041
CMYK	0.53, 0.39, 0.00, 0.40
HSL	224°, 36%, 44%
HSV	224°, 53%, 60%
XYZ	12.0830, 11.2510, 31.2221
YIQ	92.5610, -31.7760, 14.2080

Conversions

Conversions Part 2

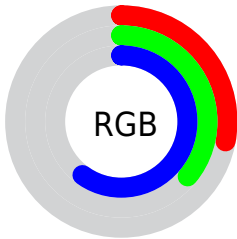
Format	Color
R_{YB}	71, 88, 152
Decimal	4676760
CIE _{Lab}	40.00, 10.03, -35.33
CIE _{LCh}	40, 36.730, 285.848
Yxy	11.2510, 0.2215, 0.2062
Android (android.graphics.Color)	4282866840 (0xFF475C98)
YUV	92.5610, 29.3034, -18.9090
Hunter-Lab	33.5425, 5.6017, -31.7088

Details

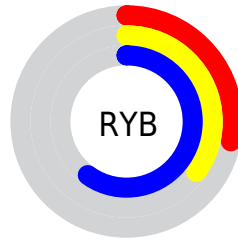
The CIELCh color **40, 36.730, 285.848** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **55, 35.099, 90.020**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 36.860, 286.055**, and **20, 36.830, 285.788** is the 20% darker color. If you saturate the color by 10%, you get **36, 44.253, 288.506**, and if you desaturate by 10%, it is **44, 29.435, 283.517**.

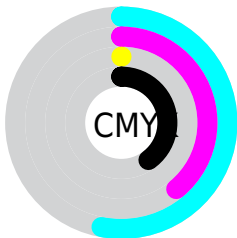
Distribution



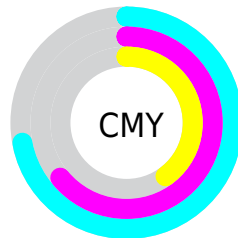
- Red (28%)
- Green (36%)
- Blue (60%)



- Red (28%)
- Yellow (35%)
- Blue (60%)



- Cyan (53%)
- Magenta (39%)
- Yellow (0%)
- Black (40%)





- Cyan (72%)
- Magenta (64%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.730, 285.848 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, 36.730, 285.848 by changing the saturation by 10% instead.


 40, 36.730,
285.848


 40, 36.730,
285.848


 100, 36.730,
285.848


 30, 36.730,
285.848

 60, 36.730,
285.848


 20, 36.730,
285.848

 70, 36.730,
285.848


 10, 36.730,
285.848

 80, 36.730,
285.848

 0, 36.730, 285.848

 90, 36.730,
285.848

 40, 36.730,

 40, 36.730,

285.848

■ 36, 44.253,
288.506

■ 32, 52.008,
291.461

■ 28, 59.935,
294.621

■ 25, 67.834,
297.812

■ 23, 72.953,
299.739

285.848

■ 44, 29.435,
283.517

■ 49, 22.350,
281.501

■ 53, 15.450,
279.769

■ 57, 8.719, 278.286

■ 61, 2.145, 277.059

■ 66, 4.279, 95.840

■ 70, 10.559, 94.899

■ 74, 16.701, 94.063

■ 78, 22.707, 93.325

Harmonies

Complementary

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



40, 36.730, 285.848



55, 35.099, 90.020

Rectangle

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



40, 36.730, 285.848



40, 36.730, 335.848



40, 36.730, 105.848



40, 36.730, 155.848

Sweetspot

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



40, 36.729, 285.849



71, 12.966, 278.708



57, 30.465, 172.722



36, 8.843, 278.981



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, 36.729, 285.849



46, 55.292, 289.059



36, 50.421, 303.913



30, 3.709, 277.749



21, 68.325, 299.511



1, 3.991, 276.900

Inverse Universe

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



41, 36.352, 6.166



49, 53.342, 9.190



60, 44.414, 116.034



30, 3.642, 359.632



29, 56.904, 23.288



1, 3.851, 359.154

Previews

White Background



This preview shows how the CIELCh color 40, 36.730, 285.848 looks on a white background.

Color Contrast Check

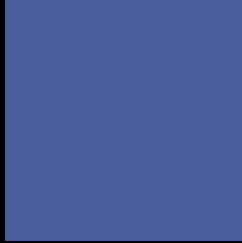
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.730, 285.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

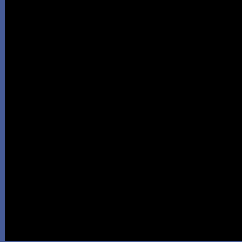
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

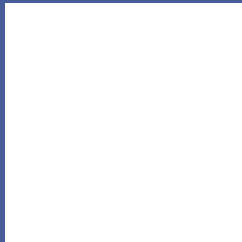
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 36.730, 285.848

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.730, 285.848.



This preview shows how white text looks on a background with the CIELCh color 40, 36.730, 285.848.

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, 36.730, 285.848

Protanopia

40, 36.730, 285.848

Deuteranopia

40, 35.435, 279.647



Tritanopia
40, 16.101, 215.466

Trichromacy



Original Color
40, 36.730, 285.848

Protanomaly
40, 36.730, 285.848

Deuteranomaly
40, 35.826, 281.988

Tritanomaly
40, 19.856, 255.181

Monochromacy



Original Color
40, 36.730, 285.848

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 13.088, 278.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.730, 285.848 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(71, 92, 152)` looks like.

```
.text, #text, p{  
    color:rgb(71, 92, 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(71, 92, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 92, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.730, 285.848 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(71, 92, 152) }
```

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

```
.border{ border-color:rgb(71, 92, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 92, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 92, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 92, 152);  
box-shadow:4px 4px 4px 4px rgb(71, 92,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.730, 285.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 92, 152) }
```

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

```
.background{ background-color: rgb(71, 92,  
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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