

Converting Colors

CIELCh(40, 35.543, 306.242)

Have a look what the booklet for
CIELCh(40, 35.543, 306.242)
contains.

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Color

CIELCh(40, 35.543, 306.242)

Conversions

Conversions Part 1

Format	Color
Hex	68548D
RGB	104, 84, 141
RGB Percent	41%, 33%, 55%
CMY	0.5914, 0.6699, 0.4463
CMYK	0.26, 0.40, 0.00, 0.45
HSL	261°, 25%, 44%
HSV	261°, 40%, 55%
XYZ	13.7367, 11.2510, 26.7222
YIQ	96.4780, -6.3770, 21.9670

Conversions

Conversions Part 2

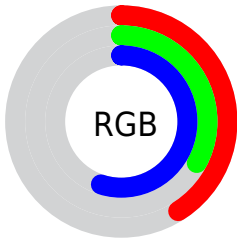
Format	Color
R_{YB}	104, 84, 141
Decimal	6837389
CIE _{Lab}	40.00, 21.01, -28.67
CIE _{LCh}	40, 35.543, 306.242
Yxy	11.2510, 0.2656, 0.2176
Android (android.graphics.Color)	4285027469 (0xFF68548D)
YUV	96.4780, 21.9493, 6.5968
Hunter-Lab	33.5425, 14.4019, -23.7546

Details

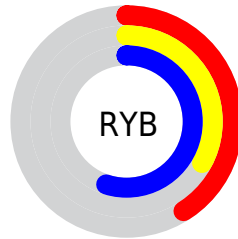
The CIELCh color $40, 35.543, 306.242$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 32.938, 121.601$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 35.443, 305.959$, and $20, 34.925, 306.205$ is the 20% darker color. If you saturate the color by 10%, you get $35, 44.874, 307.008$, and if you desaturate by 10%, it is $45, 26.357, 305.516$.

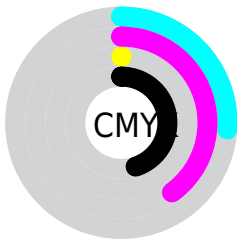
Distribution



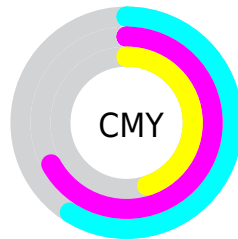
- Red (41%)
- Green (33%)
- Blue (55%)



- Red (41%)
- Yellow (33%)
- Blue (55%)



- Cyan (26%)
- Magenta (40%)
- Yellow (0%)
- Black (45%)





- Cyan (59%)
- Magenta (67%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 35.543, 306.242 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, 35.543, 306.242 by changing the saturation by 10% instead.


 40, 35.543,
306.242


 40, 35.543,
306.242


 100, 35.543,
306.242


 30, 35.543,
306.242

 60, 35.543,
306.242


 20, 35.543,
306.242


 70, 35.543,
306.242

 10, 35.543,
306.242

 80, 35.543,
306.242

 0, 35.543, 306.242

 90, 35.543,
306.242

 40, 35.543,

 40, 35.543,

306.242

■ 35, 44.874,
307.008

■ 31, 54.179,
307.778

■ 27, 63.141,
308.482

■ 24, 71.236,
309.017

■ 21, 77.737,
309.240

■ 18, 82.650,
309.269

306.242

■ 45, 26.357,
305.516

■ 49, 17.405,
304.850

■ 54, 8.723, 304.248

■ 59, 0.322, 303.562

■ 63, 7.801, 123.261

■ 68, 15.656,
122.848

■ 72, 23.255,
122.492

■ 77, 30.612,
122.183

■ 81, 37.742,

Harmonies

Complementary

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



40, 35.543, 306.242



56, 32.938, 121.601

Rectangle

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



40, 35.543, 306.242



40, 35.543, 356.242



40, 35.543, 126.242



40, 35.543, 176.242

Sweetspot

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



40, 35.542, 306.242



68, 12.531, 304.356



49, 16.800, 243.053



34, 8.297, 304.420



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



40, 35.542, 306.242



47, 52.897, 306.903



43, 38.267, 322.058



28, 4.779, 304.180



17, 80.026, 309.310



0, 3.183, 303.701

Inverse Universe

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



43, 31.227, 339.572



53, 45.503, 340.406



54, 37.834, 137.947



28, 4.382, 337.023



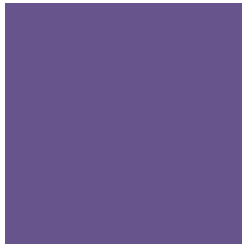
29, 56.149, 348.107



1, 2.936, 336.420

Previews

White Background



This preview shows how the CIELCh color 40, 35.543, 306.242 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, 35.543, 306.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

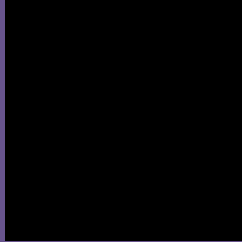
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 35.543, 306.242

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.543, 306.242.



This preview shows how white text looks on a background with the CIELCh color 40, 35.543, 306.242.

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, 35.543, 306.242

Protanopia

40, 33.672, 285.174

Deuteranopia

40, 27.782, 281.559



Tritanopia
40, 4.599, 311.780

Trichromacy



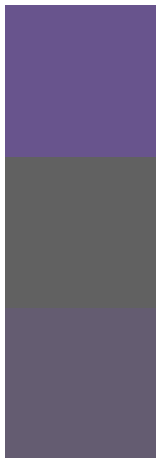
Original Color
40, 35.543, 306.242

Protanomaly
40, 34.095, 292.448

Deuteranomaly
40, 30.490, 292.174

Tritanomaly
40, 15.822, 306.612

Monochromacy



Original Color
40, 35.543, 306.242

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 13.231, 305.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.543, 306.242 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, 84, 141)` looks like.

```
.text, #text, p{  
    color:rgb(104, 84, 141)  
}
```

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, 84, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 84, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.543, 306.242 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, 84, 141) }
```

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

```
.border{ border-color:rgb(104, 84, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 84, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 84, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 84, 141);  
box-shadow:4px 4px 4px 4px rgb(104, 84,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.543, 306.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 84, 141) }
```

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

```
.background{ background-color: rgb(104, 84,  
141) }
```

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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