

Converting Colors

CIELCh(40, 31.890, 306.703)

Have a look what the booklet for
CIELCh(40, 31.890, 306.703)
contains.

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Color

CIELCh(40, 31.943, 306.720)

Conversions

Conversions Part 1

Format	Color
Hex	685588
RGB	104, 85, 136
RGB Percent	41%, 33%, 53%
CMY	0.5916, 0.6661, 0.4661
CMYK	0.24, 0.37, 0.00, 0.47
HSL	262°, 23%, 43%
HSV	262°, 37%, 53%
XYZ	13.4382, 11.2510, 24.8094
YIQ	96.4950, -5.0470, 19.8890

Conversions

Conversions Part 2

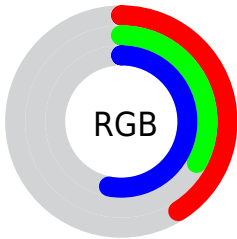
Format	Color
RYB	104, 85, 136
Decimal	6837640
CIELab	40.00, 19.10, -25.60
CIELCh	40, 31.943, 306.720
Yxy	11.2510, 0.2715, 0.2273
Android (android.graphics.Color)	4285027720 (0xFF685588)
YUV	96.4950, 19.4760, 6.5819
Hunter-Lab	33.5425, 12.8138, -20.3736

Details

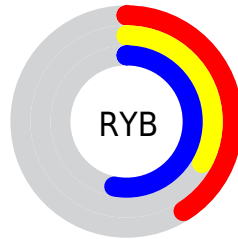
The CIELCh color $40, 31.943, 306.720$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 29.872, 122.605$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 32.077, 306.505$, and $20, 31.653, 306.281$ is the 20% darker color. If you saturate the color by 10%, you get $36, 40.958, 307.434$, and if you desaturate by 10%, it is $44, 23.083, 306.046$.

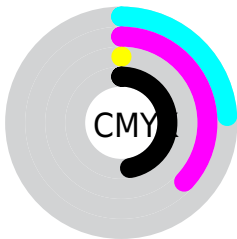
Distribution



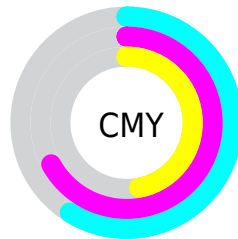
- Red (41%)
- Green (33%)
- Blue (53%)



- Red (41%)
- Yellow (33%)
- Blue (53%)



- Cyan (24%)
- Magenta (37%)
- Yellow (0%)
- Black (47%)





- Cyan (59%)
- Magenta (67%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.943, 306.720 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, 31.943, 306.720 by changing the saturation by 10% instead.


 40, 31.943,
306.720


 40, 31.943,
306.720


 100, 31.943,
306.720


 30, 31.943,
306.720

 60, 31.943,
306.720


 20, 31.943,
306.720

 70, 31.943,
306.720


 10, 31.943,
306.720

 80, 31.943,
306.720

 0, 31.943, 306.720

 90, 31.943,
306.720

 40, 31.943,

 40, 31.943,

306.720

306.720

■ 36, 40.958,
307.434

■ 44, 23.083,
306.046

■ 31, 49.991,
308.156

■ 49, 14.454,
305.427

■ 27, 58.777,
308.831

■ 53, 6.083, 304.866

■ 24, 66.882,
309.369

■ 58, 2.020, 124.409

■ 62, 9.859, 123.952

■ 21, 73.671,
309.643

■ 67, 17.444,
123.568

■ 18, 78.803,
309.621

■ 71, 24.786,
123.236

■ 18, 80.126,
309.656

■ 76, 31.899,
122.948

■ 80, 38.795,

Harmonies

Complementary

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



40, 31.943, 306.720



54, 29.872, 122.605

Rectangle

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



40, 31.943, 306.720



40, 31.943, 356.720



40, 31.943, 126.720



40, 31.943, 176.720

Sweetspot

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



40, 31.942, 306.720



66, 11.114, 305.071



48, 15.382, 244.779



34, 7.540, 305.136



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 31.942, 306.720



47, 47.801, 307.326



43, 34.638, 322.439



27, 4.652, 304.958



17, 78.586, 309.683



0, 2.130, 304.498

Inverse Universe

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



43, 27.785, 340.339



52, 40.839, 341.166



52, 34.315, 138.592



27, 4.186, 337.987



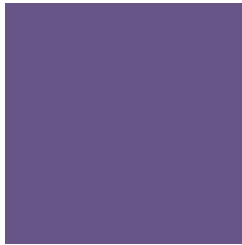
28, 54.765, 349.751



0, 1.927, 337.375

Previews

White Background



This preview shows how the CIELCh color 40, 31.943, 306.720 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, 31.943, 306.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

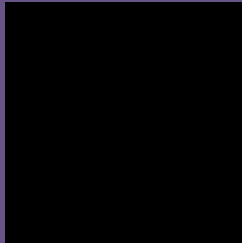
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.943, 306.720

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.943, 306.720.



This preview shows how white text looks on a background with the CIELCh color 40, 31.943, 306.720.

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, 31.943, 306.720

Protanopia

40, 30.035, 284.820

Deuteranopia

40, 25.237, 283.241



Tritanopia
40, 4.765, 316.434

Trichromacy



Original Color
40, 31.943, 306.720

Protanomaly
40, 30.482, 292.778

Deuteranomaly
40, 27.467, 292.816

Tritanomaly
40, 14.651, 307.735

Monochromacy



Original Color
40, 31.943, 306.720

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 11.349, 305.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.943, 306.720 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, 85, 136)` looks like.

```
.text, #text, p{  
    color:rgb(104, 85, 136)  
}
```

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, 85, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 85, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.943, 306.720 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, 85, 136) }
```

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

```
.border{ border-color:rgb(104, 85, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 85, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 85, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 85, 136);  
box-shadow:4px 4px 4px 4px rgb(104, 85,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.943, 306.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 85, 136) }
```

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

```
.background{ background-color: rgb(104, 85,  
136) }
```

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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