

Converting Colors

CIELCh(40, 31.164, 310.483)

Have a look what the booklet for
CIELCh(40, 31.164, 310.483)
contains.

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Color

CIELCh(40, 31.214, 310.496)

Conversions

Conversions Part 1

Format	Color
Hex	6C5485
RGB	108, 84, 133
RGB Percent	42%, 33%, 52%
CMY	0.5760, 0.6701, 0.4779
CMYK	0.19, 0.37, 0.00, 0.48
HSL	269°, 23%, 43%
HSV	269°, 37%, 52%
XYZ	13.6203, 11.2510, 23.6887
YIQ	96.7620, -1.4250, 20.3270

Conversions

Conversions Part 2

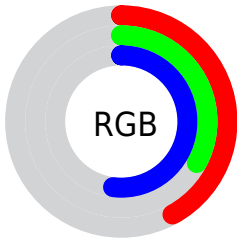
Format	Color
R_{YB}	108, 84, 133
Decimal	7099525
CIE _{Lab}	40.00, 20.27, -23.74
CIE _{LCh}	40, 31.214, 310.496
Yxy	11.2510, 0.2805, 0.2317
Android (android.graphics.Color)	4285289605 (0xFF6C5485)
YUV	96.7620, 17.8653, 9.8557
Hunter-Lab	33.5425, 13.7829, -18.3927

Details

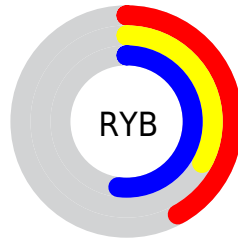
The CIELCh color `40, 31.214, 310.496` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `53, 29.639, 127.042`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 30.923, 310.406`, and `20, 31.417, 310.555` is the 20% darker color. If you saturate the color by 10%, you get `36, 40.014, 311.032`, and if you desaturate by 10%, it is `44, 22.482, 309.967`.

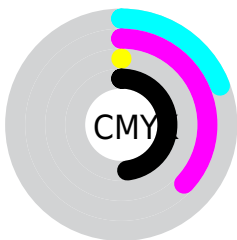
Distribution



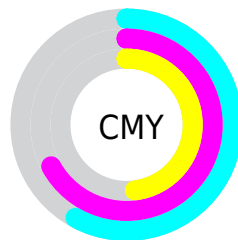
- Red (42%)
- Green (33%)
- Blue (52%)



- Red (42%)
- Yellow (33%)
- Blue (52%)



- Cyan (19%)
- Magenta (37%)
- Yellow (0%)
- Black (48%)




- Cyan (58%)
- Magenta (67%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.214, 310.496 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, 31.214, 310.496 by changing the saturation by 10% instead.


 40, 31.214,
310.496


 40, 31.214,
310.496


 100, 31.214,
310.496


 30, 31.214,
310.496

 60, 31.214,
310.496


 20, 31.214,
310.496

 70, 31.214,
310.496

 10, 31.214,
310.496

 80, 31.214,
310.496

 0, 31.214, 310.496

 90, 31.214,
310.496

 40, 31.214,

 40, 31.214,

310.496

■ 36, 40.014,
311.032

■ 32, 48.719,
311.543

■ 28, 57.056,
311.977

■ 25, 64.612,
312.257

■ 22, 70.847,
312.284

■ 20, 75.473,
312.025

■ 19, 76.950,
311.975

310.496

■ 44, 22.482,
309.967

■ 48, 13.916,
309.463

■ 53, 5.563, 308.990

■ 57, 2.553, 128.616

■ 61, 10.427,
128.212

■ 65, 18.061,
127.872

■ 70, 25.462,
127.573

■ 74, 32.640,
127.312

■ 78, 39.606,
127.084

Harmonies

Complementary

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



40, 31.214, 310.496



53, 29.639, 127.042

Rectangle

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



40, 31.214, 310.496



40, 31.214, 0.496



40, 31.214, 130.496



40, 31.214, 180.496

Sweetspot

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



40, 31.213, 310.496



65, 11.213, 309.197



45, 16.319, 259.400



33, 7.514, 309.249



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 31.213, 310.496



48, 46.619, 310.936



43, 34.351, 325.866



26, 4.604, 309.097



19, 75.644, 312.001



0, 1.090, 308.710

Inverse Universe

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



42, 24.925, 346.490



51, 36.835, 347.476



51, 34.349, 141.467



26, 3.739, 343.784



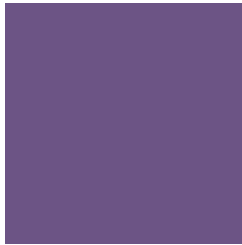
27, 51.671, 359.710



0, 0.886, 343.103

Previews

White Background



This preview shows how the CIELCh color 40, 31.214, 310.496 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, 31.214, 310.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

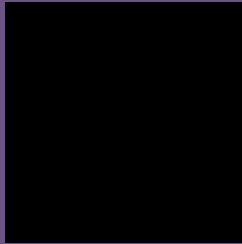
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.214, 310.496

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.214, 310.496.



This preview shows how white text looks on a background with the CIELCh color 40, 31.214, 310.496.

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

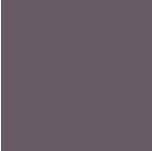
40, 31.214, 310.496

Protanopia

40, 28.817, 284.741

Deuteranopia

40, 23.328, 284.347



Tritanopia
40, 6.300, 337.681

Trichromacy



Original Color
40, 31.214, 310.496

Protanomaly
40, 28.670, 293.712

Deuteranomaly
40, 25.660, 294.746

Tritanomaly
40, 15.495, 316.422

Monochromacy



Original Color
40, 31.214, 310.496

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 11.591, 309.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.214, 310.496 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(108, 84, 133)` looks like.

```
.text, #text, p{  
    color:rgb(108, 84, 133)  
}
```

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(108, 84, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 84, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.214, 310.496 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(108, 84, 133) }
```

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

```
.border{ border-color:rgb(108, 84, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 84, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 84, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 84, 133);  
box-shadow:4px 4px 4px 4px rgb(108, 84,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.214, 310.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 84, 133) }
```

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

```
.background{ background-color: rgb(108, 84,  
133) }
```

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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