

Converting Colors

CIELCh(40, 31.583, 324.560)

Have a look what the booklet for
CIELCh(40, 31.583, 324.560)
contains.

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Color

CIELCh(40, 31.053, 324.953)

Conversions

Conversions Part 1

Format	Color
Hex	7A507C
RGB	122, 80, 124
RGB Percent	48%, 31%, 49%
CMY	0.5229, 0.6875, 0.5150
CMYK	0.02, 0.36, 0.00, 0.52
HSL	297°, 22%, 40%
HSV	297°, 36%, 48%
XYZ	14.4409, 11.2510, 20.3687
YIQ	97.5740, 10.9080, 22.5880

Conversions

Conversions Part 2

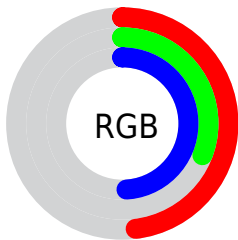
Format	Color
R_{YB}	122, 80, 124
Decimal	8015996
CIE _{Lab}	40.00, 25.42, -17.83
CIE _{LCh}	40, 31.053, 324.953
Yxy	11.2510, 0.3135, 0.2443
Android (android.graphics.Color)	4286206076 (0xFF7A507C)
YUV	97.5740, 13.0280, 21.4216
Hunter-Lab	33.5425, 18.1496, -12.5243

Details

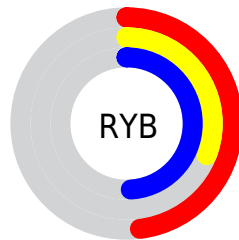
The CIELCh color $[40, 31.053, 324.953]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[48, 30.983, 140.925]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 31.189, 324.651]$, and $[20, 30.845, 324.791]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 39.404, 325.397]$, and if you desaturate by 10%, it is $[43, 22.381, 324.476]$.

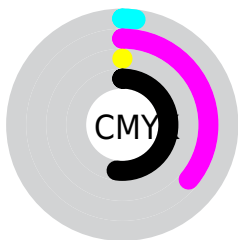
Distribution



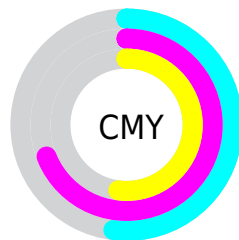
- Red (48%)
- Green (31%)
- Blue (49%)



- Red (48%)
- Yellow (31%)
- Blue (49%)



- Cyan (2%)
- Magenta (36%)
- Yellow (0%)
- Black (52%)





- Cyan (52%)
- Magenta (69%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.053, 324.953 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, 31.053, 324.953 by changing the saturation by 10% instead.


 40, 31.053,
324.953


 40, 31.053,
324.953


 100, 31.053,
324.953


 30, 31.053,
324.953

 60, 31.053,
324.953


 20, 31.053,
324.953

 70, 31.053,
324.953

 10, 31.053,
324.953

 80, 31.053,
324.953

 0, 31.053, 324.953

 90, 31.053,
324.953

 40, 31.053,

 40, 31.053,

324.953

■ 37, 39.404,
325.397

■ 34, 47.180,
325.790

■ 32, 54.070,
326.112

■ 30, 59.754,
326.345

■ 29, 63.964,
326.474

■ 28, 66.685,
326.499

■ 28, 67.779,
326.504

324.953

■ 43, 22.381,
324.476

■ 46, 13.593,
323.979

■ 50, 4.832, 323.460

■ 53, 3.807, 143.051

■ 57, 12.263,
142.543

■ 61, 20.499,
142.080

■ 64, 28.498,
141.642

■ 68, 36.255,
141.229

■ 72, 43.773,
140.843

Harmonies

Complementary

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



40, 31.053, 324.953



48, 30.983, 140.925

Rectangle

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



40, 31.053, 324.953



40, 31.053, 14.953



40, 31.053, 144.953



40, 31.053, 194.953

Sweetspot

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



40, 31.051, 324.953



61, 11.875, 323.761



36, 25.918, 292.588



31, 8.046, 323.816



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 31.051, 324.953



49, 46.156, 325.332



39, 23.222, 344.106



24, 4.861, 323.647



28, 68.284, 326.502



58, 114.964, 326.410

Inverse Universe

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



39, 19.863, 18.994



47, 30.489, 20.304



48, 22.503, 157.908



24, 2.853, 16.175



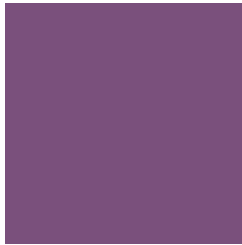
25, 58.778, 36.361



53, 102.040, 38.752

Previews

White Background



This preview shows how the CIELCh color 40, 31.053, 324.953 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, 31.053, 324.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

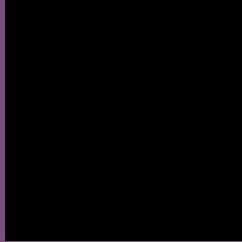
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.053, 324.953

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.053, 324.953.



This preview shows how white text looks on a background with the CIELCh color 40, 31.053, 324.953.

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, 31.053, 324.953

Protanopia

40, 25.110, 285.388

Deuteranopia

40, 17.077, 289.026



Tritanopia
40, 14.034, 3.999

Trichromacy



Original Color
40, 31.053, 324.953

Protanomaly
40, 25.909, 300.279

Deuteranomaly
40, 21.522, 307.381

Tritanomaly
40, 18.859, 342.359

Monochromacy



Original Color
40, 31.053, 324.953

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 11.533, 323.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.053, 324.953 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(122, 80, 124)` looks like.

```
.text, #text, p{  
    color:rgb(122, 80, 124)  
}
```

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(122, 80, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 80, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.053, 324.953 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(122, 80, 124) }
```

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

```
.border{ border-color:rgb(122, 80, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 80, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 80, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 80, 124);  
box-shadow:4px 4px 4px 4px rgb(122, 80,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.053, 324.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 80, 124) }
```

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

```
.background{ background-color: rgb(122, 80,  
124) }
```

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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