

Converting Colors

CIELCh(41, 24.121, 101.986)

Have a look what the booklet for
CIELCh(41, 24.121, 101.986)
contains.

CIELCh(41, 23.831, 101.970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 23.831, 101.970)

Conversions

Conversions Part 1

Format	Color
Hex	66623A
RGB	102, 98, 58
RGB Percent	40%, 38%, 23%
CMY	0.6000, 0.6157, 0.7726
CMYK	0.00, 0.04, 0.43, 0.60
HSL	55°, 27%, 31%
HSV	55°, 43%, 40%
XYZ	10.6099, 11.8645, 5.7334
YIQ	94.6360, 15.2240, -11.5920

Conversions

Conversions Part 2

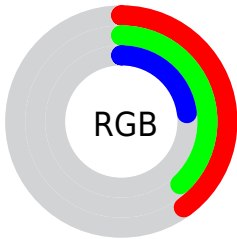
Format	Color
RYB	62, 102, 58
Decimal	6709818
CIELab	41.00, -4.94, 23.31
CIELCh	41, 23.831, 101.970
Yxy	11.8645, 0.3761, 0.4206
Android (android.graphics.Color)	4284899898 (0xFF66623A)
YUV	94.6360, -18.0615, 6.4582
Hunter-Lab	34.4449, -5.2961, 14.2426

Details

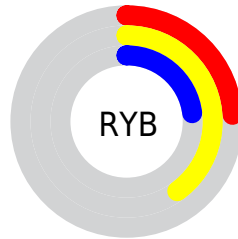
The CIELCh color $41, 23.831, 101.970$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 25.945, 292.024$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 23.978, 102.352$, and $21, 24.059, 101.935$ is the 20% darker color. If you saturate the color by 10%, you get $41, 29.071, 100.991$, and if you desaturate by 10%, it is $41, 18.410, 102.972$.

Distribution



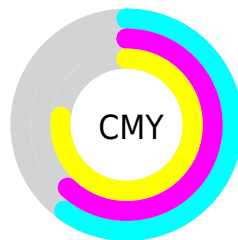
- Red (40%)
- Green (38%)
- Blue (23%)



- Red (24%)
- Yellow (40%)
- Blue (23%)



- Cyan (0%)
- Magenta (4%)
- Yellow (43%)
- Black (60%)





- Cyan (60%)
- Magenta (62%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 23.831, 101.970 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 41, 23.831, 101.970 by changing the saturation by 10% instead.


 41, 23.831,
101.970


 41, 23.831,
101.970


 100, 23.831,
101.970


 31, 23.831,
101.970

 61, 23.831,
101.970


 21, 23.831,
101.970

 71, 23.831,
101.970

 11, 23.831,
101.970

 81, 23.831,
101.970

 1, 23.831, 101.970

 91, 23.831,
101.970

 0, 23.831, 101.970

 41, 23.831,

 41, 23.831,

101.970

101.970

■ 41, 29.071,
100.991

■ 41, 18.410,
102.972

■ 40, 33.997,
100.039

■ 42, 12.889,
103.972

■ 40, 38.417, 99.137

■ 42, 7.323, 104.961

■ 39, 42.069, 98.302

■ 43, 1.743, 105.908

■ 39, 44.732, 97.540

■ 44, 3.827, 286.909

■ 39, 46.514, 97.038

■ 44, 9.377, 287.817

■ 45, 14.897,
288.698

■ 45, 20.382,
289.543

■ 46, 25.828,
290.348

Harmonies

Complementary

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



41, 23.831, 101.970



28, 25.945, 292.024

Rectangle

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



41, 23.831, 101.970



41, 23.831, 151.970



41, 23.831, 281.970



41, 23.831, 331.970

Sweetspot

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



41, 23.832, 101.973



54, 8.990, 104.938



30, 20.825, 15.888



27, 6.240, 104.776



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 23.832, 101.973



52, 35.277, 100.956



41, 27.200, 123.459



21, 3.128, 105.370



44, 50.523, 96.952



87, 87.311, 96.562

Inverse Universe

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



28, 25.945, 292.024



32, 39.563, 294.026



28, 29.246, 307.900



19, 3.180, 287.166



12, 69.363, 304.390



32, 124.461, 305.357

Previews

White Background



This preview shows how the CIELCh color 41, 23.831, 101.970 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 41, 23.831, 101.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

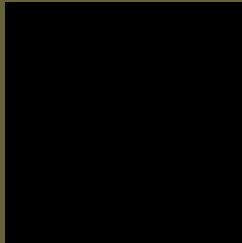
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 23.831, 101.970

Background



This preview shows how black text looks on a background with the CIELCh color 41, 23.831, 101.970.



This preview shows how white text looks on a background with the CIELCh color 41, 23.831, 101.970.

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

41, 23.831, 101.970

Protanopia

41, 23.637, 96.155

Deuteranopia

41, 23.491, 76.227



Tritanopia
41, 7.254, 344.661

Trichromacy



Original Color
41, 23.831, 101.970

Protanomaly
41, 23.548, 97.297

Deuteranomaly
41, 22.831, 84.704

Tritanomaly
41, 7.494, 73.193

Monochromacy



Original Color
41, 23.831, 101.970

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 8.506, 102.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 23.831, 101.970 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(102, 98, 58)` looks like.

```
.text, #text, p{  
    color:rgb(102, 98, 58)  
}
```

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(102, 98, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 98, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 23.831, 101.970 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(102, 98, 58) }
```

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

```
.border{ border-color:rgb(102, 98, 58) }
```

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

Here you see how a box with a 4 pixel rgb(102, 98, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 98, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 98, 58);  
box-shadow:4px 4px 4px 4px rgb(102, 98,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 23.831, 101.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 98, 58) }
```

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

```
.background{ background-color: rgb(102, 98,  
58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor